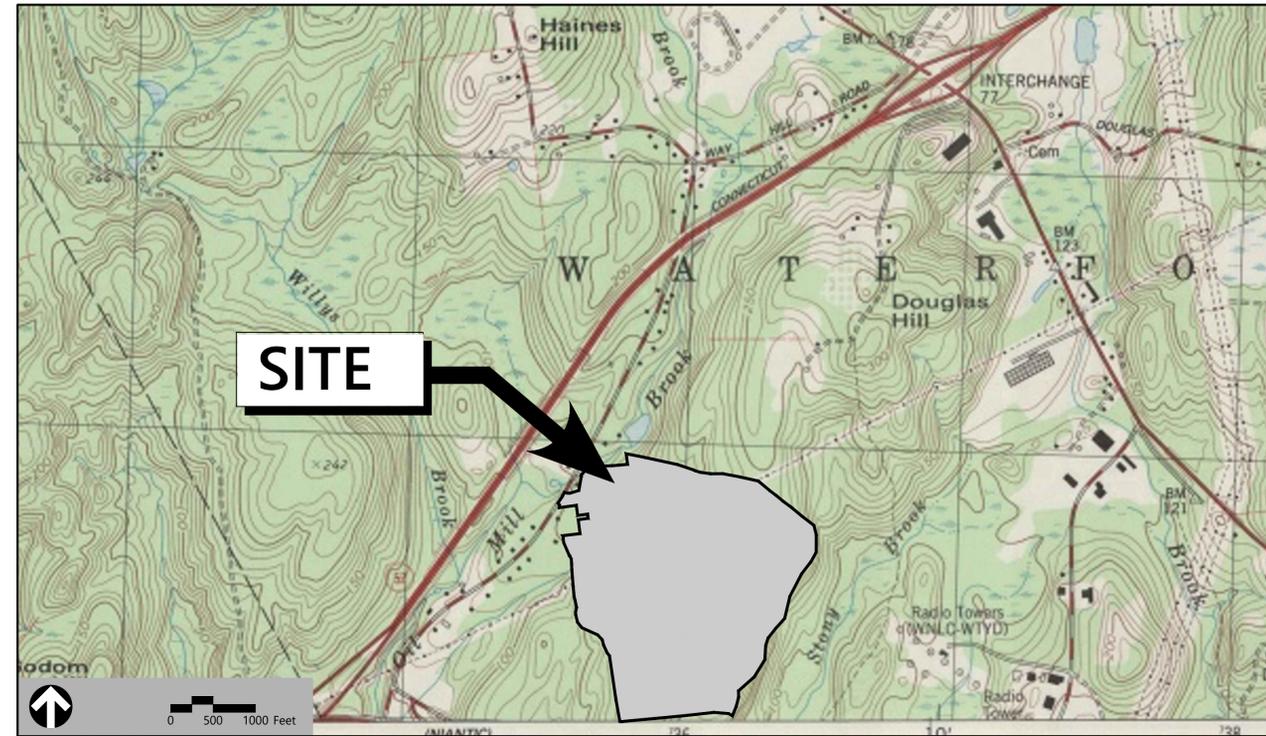


Site Plans

Issued for	Application
Date Issued	December 2, 2019
Latest Issue	December 2, 2019

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut



Applicant

GRE Gacrux, LLC
10 Main Street, Suite E
Middletown, CT 06457

Map / Lot:

80 / 5497

Owner

Rosalie Irene Maguire & Todd Carl Willis
149 Watson Road
Preston, CT 06365

Sheet Index

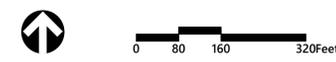
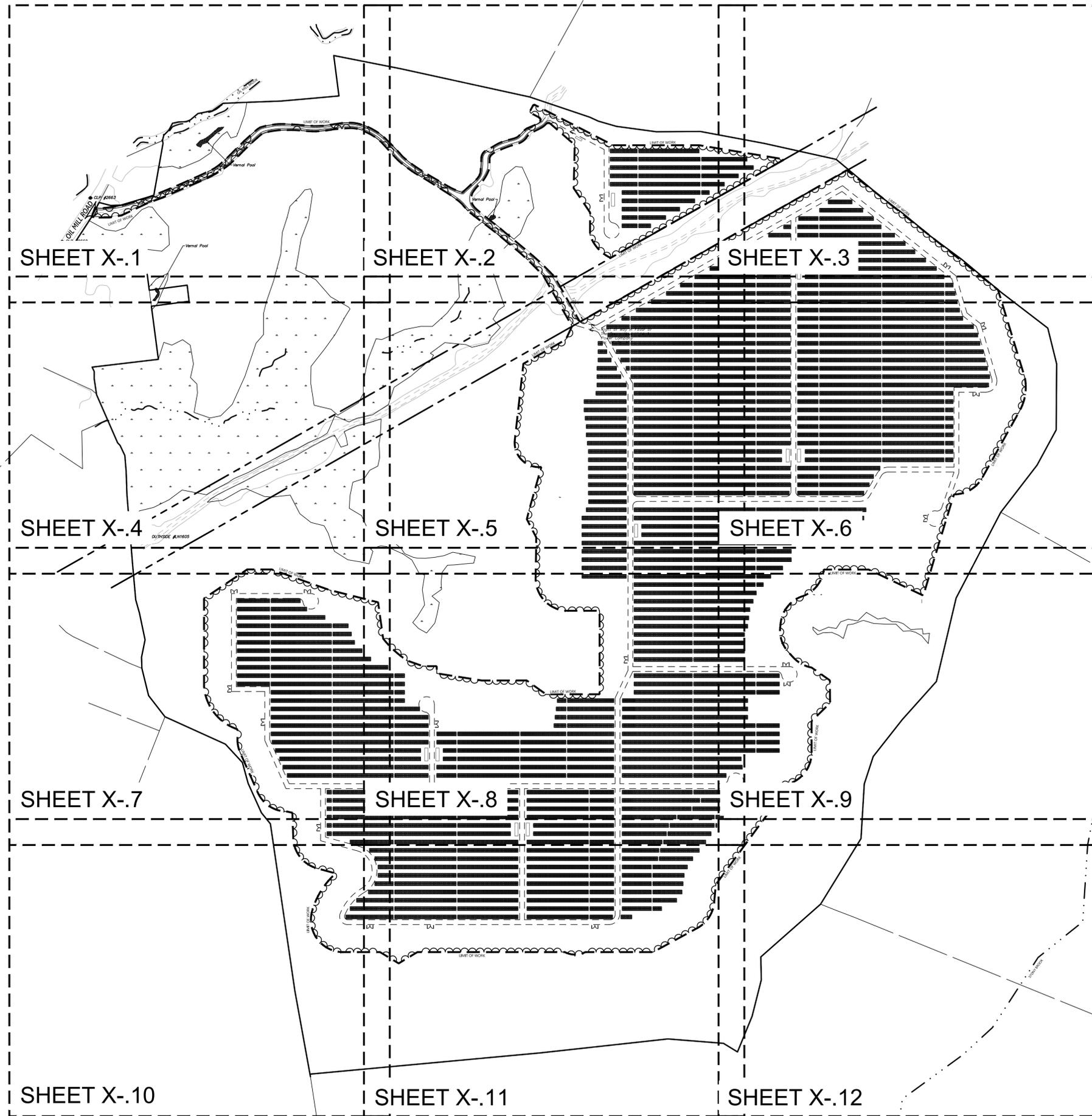
No.	Drawing Title	Latest Issue
C-1	Legend and General Notes	December 2, 2019
C-2	Key Plan	December 2, 2019
C-3.0	Layout and Materials Plan - Overall	December 2, 2019
C-3.1-3.12	Layout and Materials Plan	December 2, 2019
C-4.0	Grading and Drainage Plan - Overall	December 2, 2019
C-4.1-4.12	Grading and Drainage Plan	December 2, 2019
C-5.0	Erosion and Sediment Control Plan - Overall	December 2, 2019
C-5.1-5.12	Erosion and Sediment Control Plan	December 2, 2019
C-6.1-6.2	Site Details	December 2, 2019

Reference Drawings

No.	Drawing Title	Latest Issue
Sheets 1 & 2	Property Survey	February 22, 2018



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____
Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction
Drawing Title
Key Plan

Drawing Number

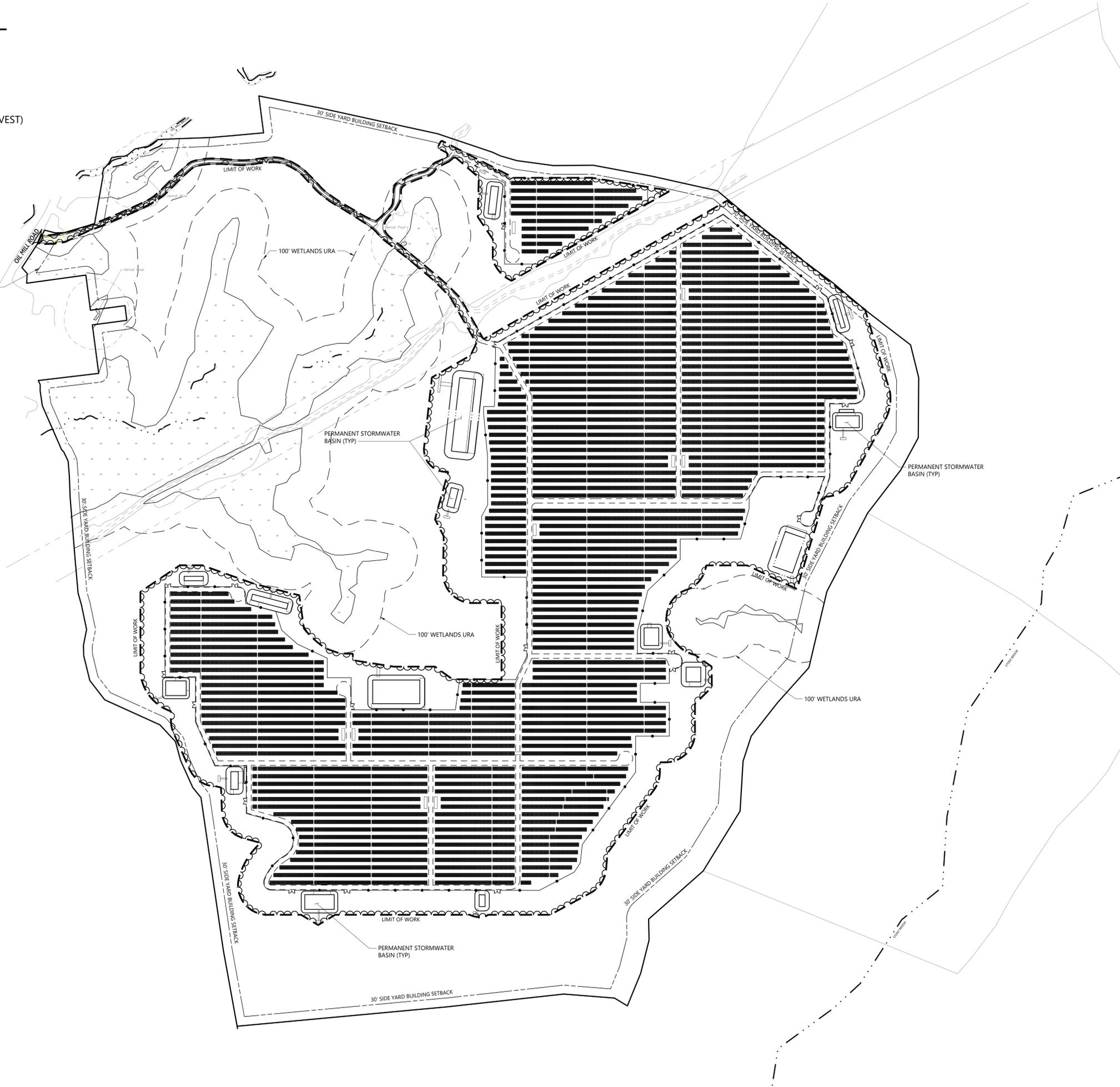
C-2

Sheet 2 of 43

PROJECT INFORMATION

PARCEL SIZE: ±152 ACRES
 ZONE DESIGNATION: RU-120 RURAL RESIDENTIAL
 LIMIT OF WORK: ±75 ACRES
 AREA OF PROPOSED TREE CLEARING: ±75 ACRES (PRE-TIMBER HARVEST)
 NON-DISTURBANCE BUFFER TO WETLANDS: > 100'
 PROPOSED NUMBER OF PANELS: 45,976
 PANEL TYPE: JINKO SOLAR EAGLE HC 72M G2 400W
 ROW SPACING: 14.5' CLEAR
 TILT ANGLE: 25°
 INVERTER TYPE: SOLECTRIA RENEWABLES XGI 1000-60/65
 SYSTEM POWER: 18.39 MW-DC / ±15.33 MW-AC

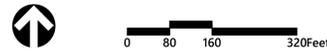
50' FRONT YARD BUILDING SETBACK



100 Great Meadow Road
 Suite 200
 Wethersfield, CT 06109
 860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key
 Not To Scale



Photovoltaic Installation
 117 Oil Mill Road
 Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____
 Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
 Drawing Title
Layout and Materials Plan - Overall



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____

Issued for _____ Date December 2, 2019

Application

Not Approved for Construction

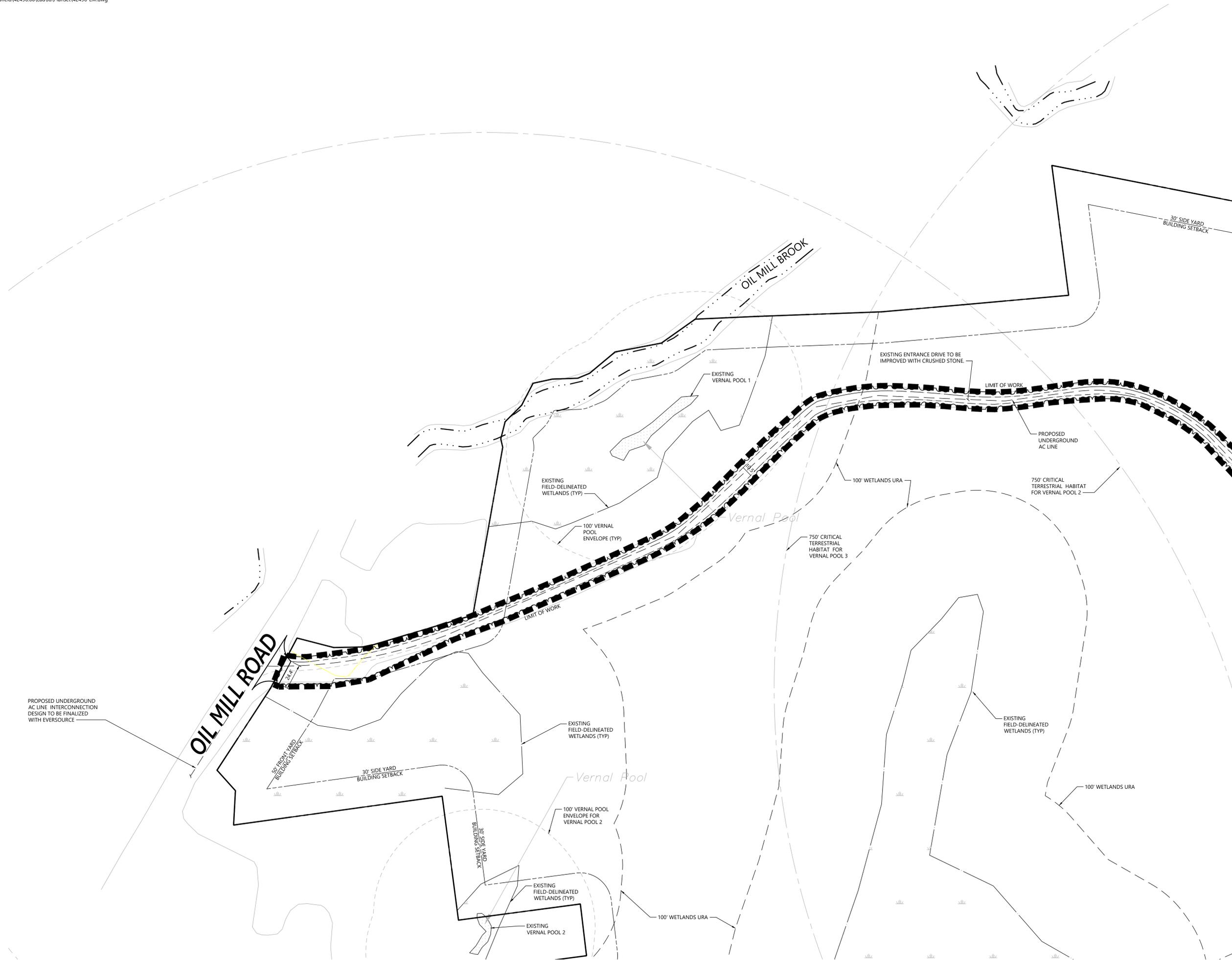
Layout and
Materials Plan

Drawing Number

C-3.1

Sheet 4 of 43

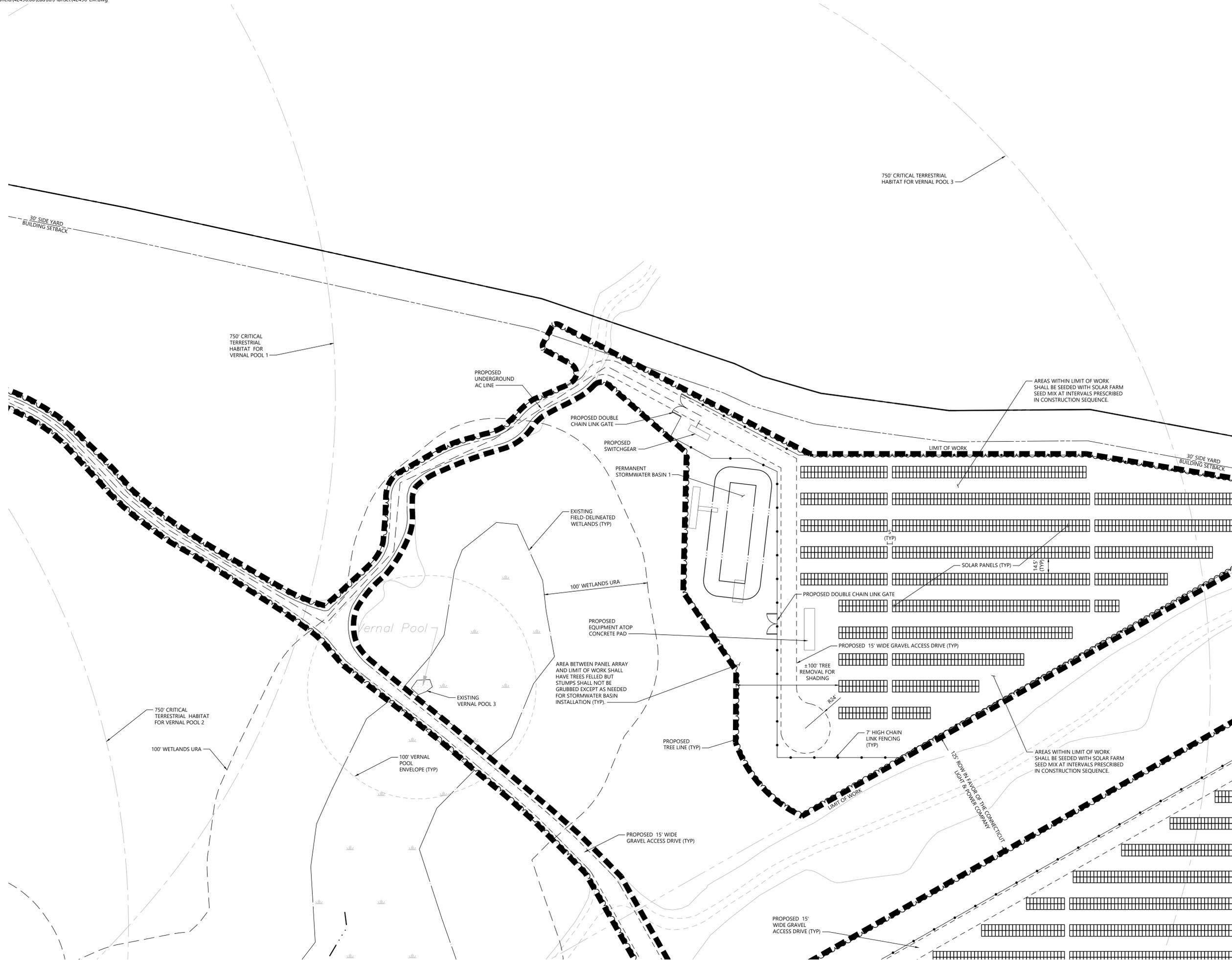
Project Number
42496.00



C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by: _____ Checked by: _____
Issued for: _____ Date: December 2, 2019

Application

Not Approved for Construction
Drawing Title: **Layout and Materials Plan**
Drawing Number: _____

C-3.2

Sheet 5 of 43

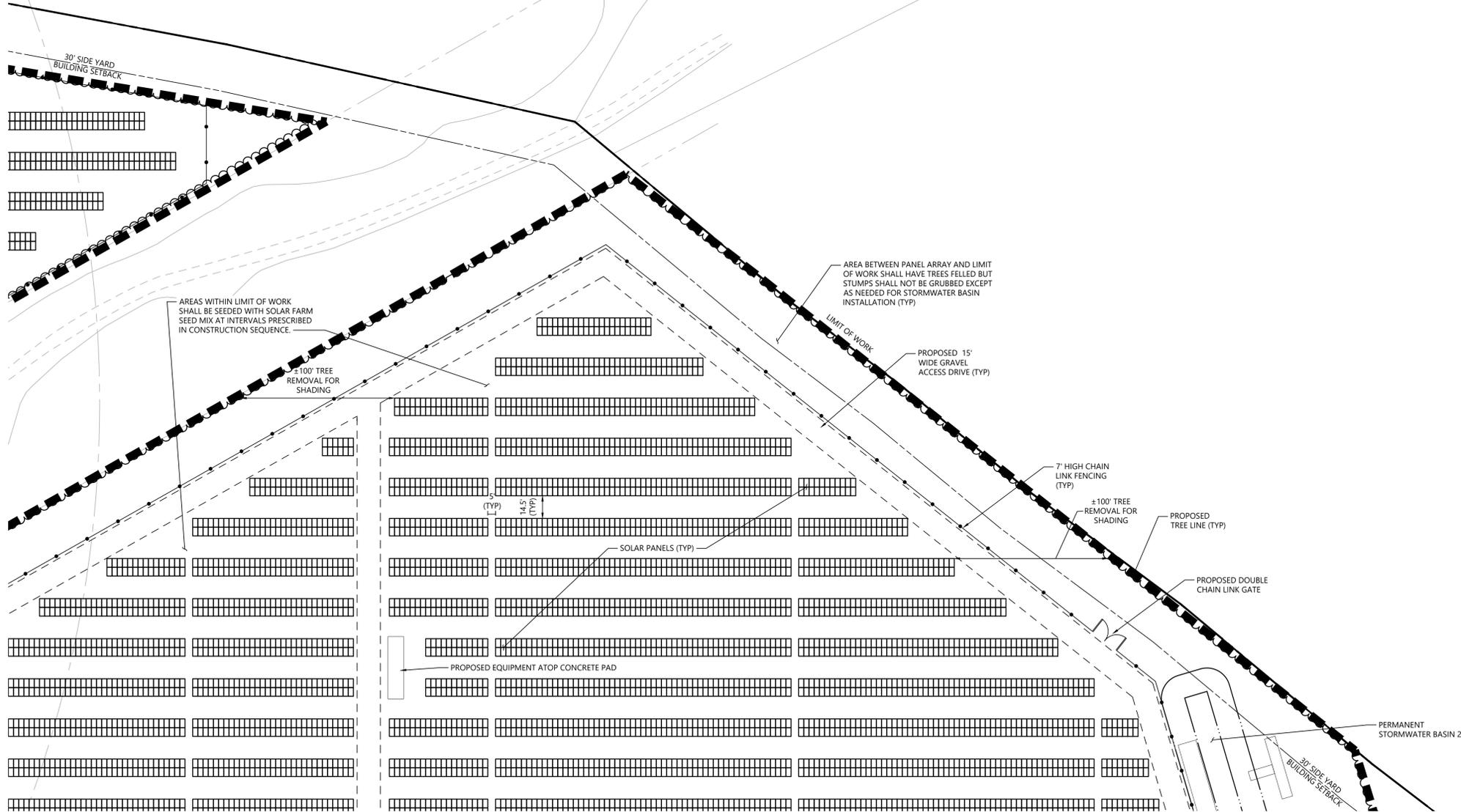
Project Number: 42496.00



C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by
-------------	------------

Issued for	Date
------------	------

Application December 2, 2019

Not Approved for Construction

Layout and Materials Plan

Drawing Number

C-3.3

Sheet 6 of 43

Project Number
42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____

Issued for _____ Date December 2, 2019

Application

Not Approved for Construction

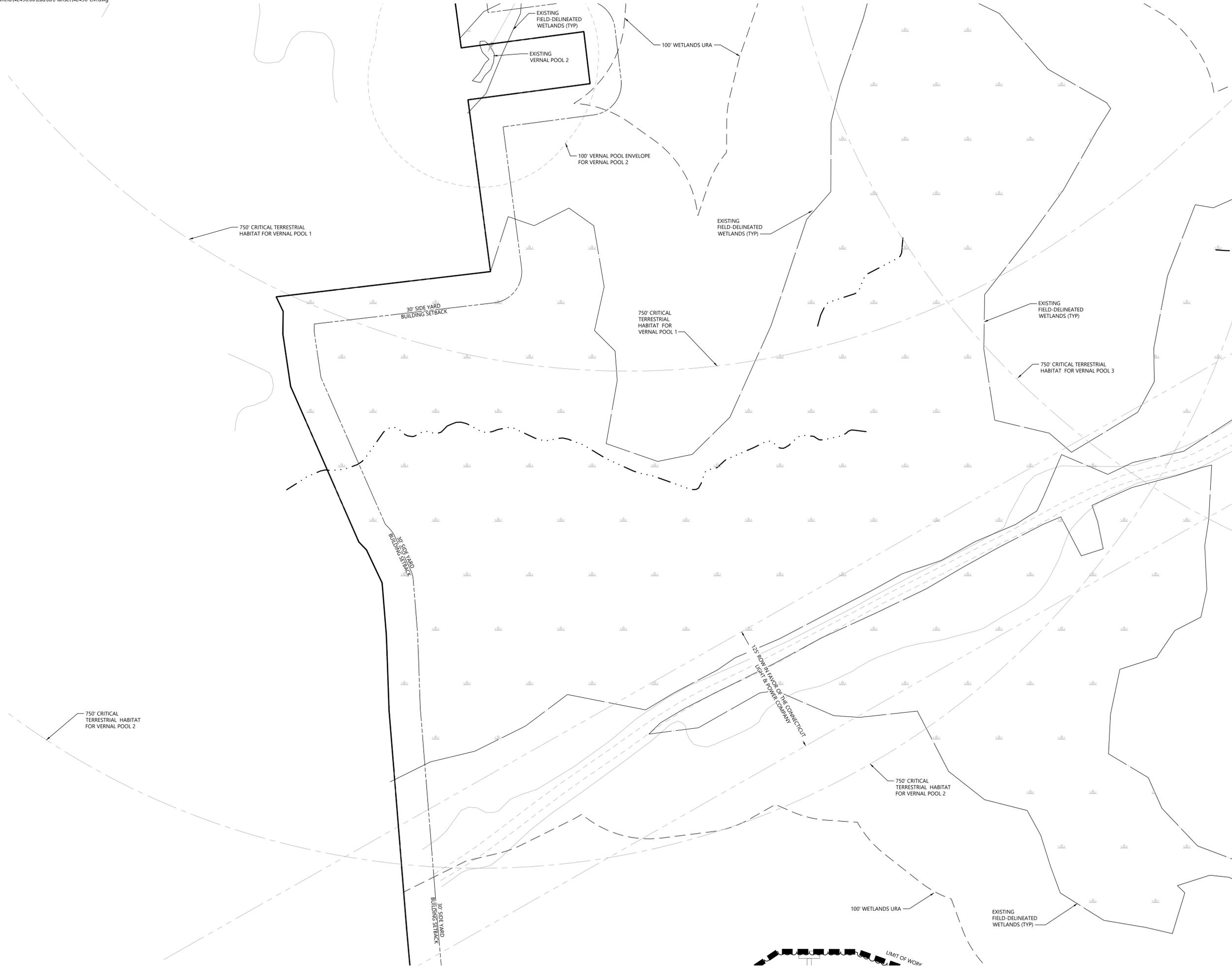
Layout and
Materials Plan

Drawing Number

C-3.4

Sheet 7 of 43

Project Number
42496.00





100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No. Revision Date App'd.

Designed by _____ Checked by _____

Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction

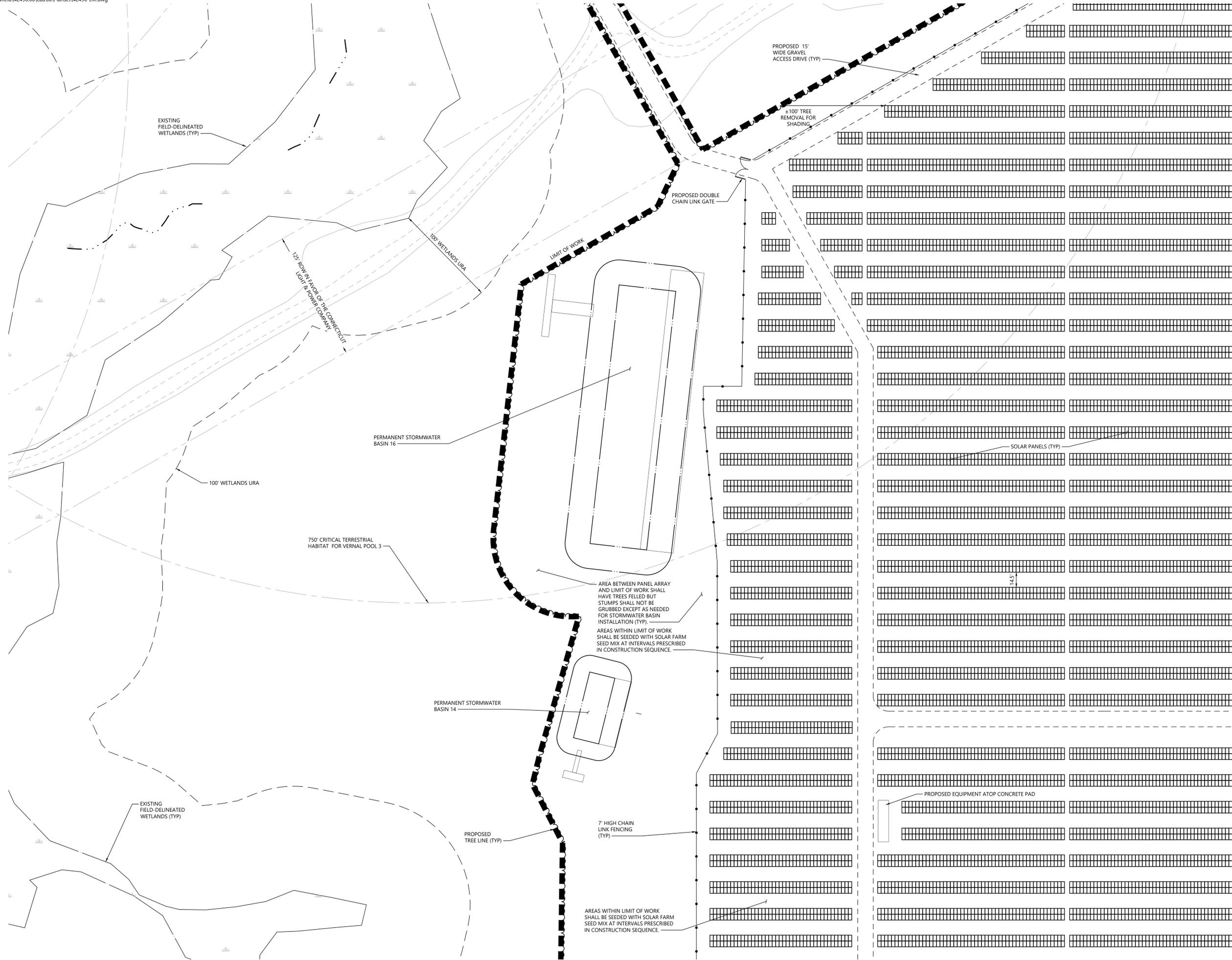
Layout and
Materials Plan

Drawing Number

C-3.5

Sheet 8 of 43

Project Number
42496.00



C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No. Revision Date App'd.

Designed by: _____ Checked by: _____

Issued for: _____ Date: _____

Application December 2, 2019

Not Approved for Construction

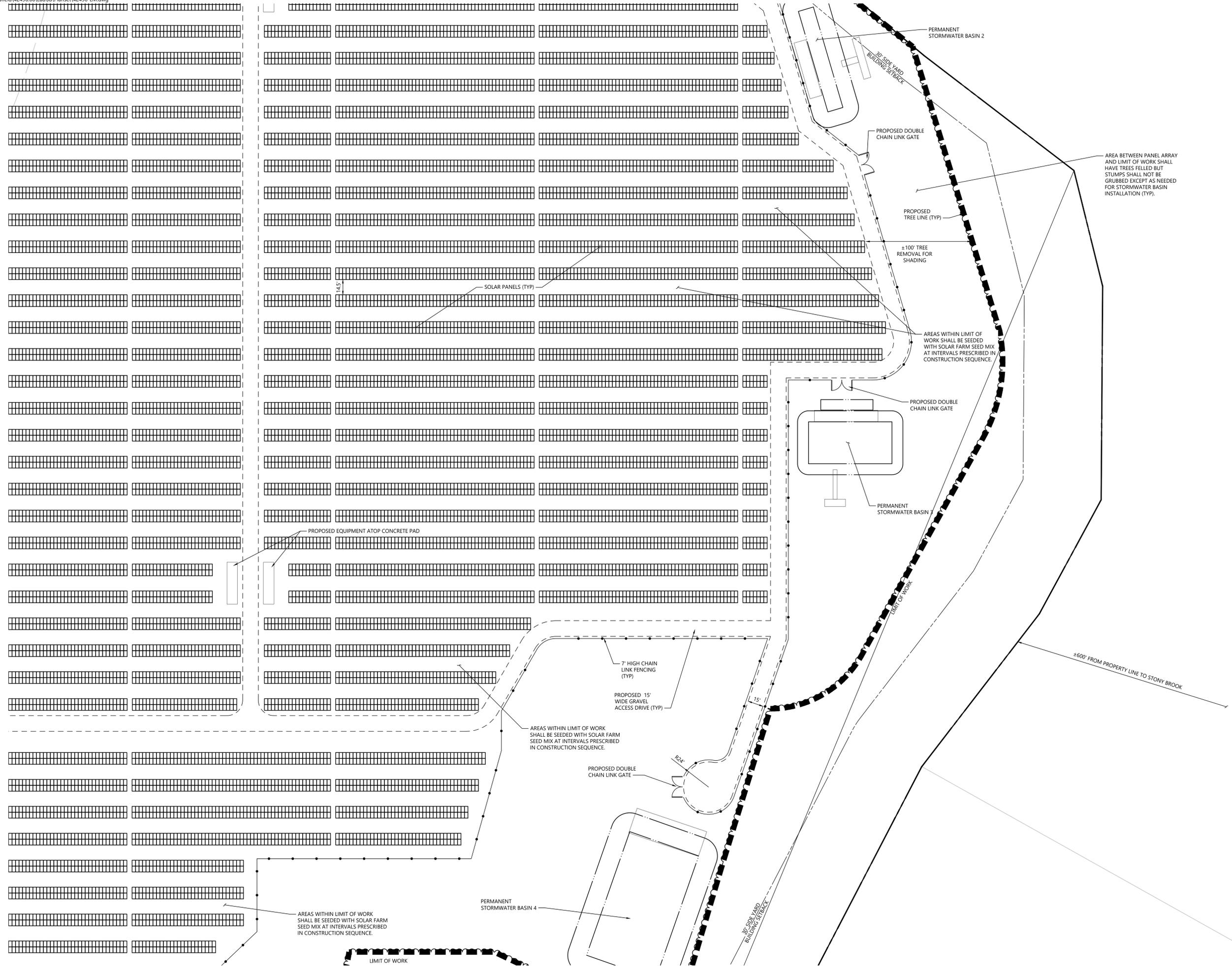
Layout and Materials Plan

Drawing Number

C-3.6

Sheet 9 of 43

Project Number
42496.00



AREA BETWEEN PANEL ARRAY AND LIMIT OF WORK SHALL HAVE TREES FELLED BUT STUMPS SHALL NOT BE GRUBBED EXCEPT AS NEEDED FOR STORMWATER BASIN INSTALLATION (TYP).

PERMANENT STORMWATER BASIN 2

PROPOSED DOUBLE CHAIN LINK GATE

PROPOSED TREE LINE (TYP)

±100' TREE REMOVAL FOR SHADING

AREAS WITHIN LIMIT OF WORK SHALL BE SEEDED WITH SOLAR FARM SEED MIX AT INTERVALS PRESCRIBED IN CONSTRUCTION SEQUENCE.

PROPOSED DOUBLE CHAIN LINK GATE

PERMANENT STORMWATER BASIN 3

LIMIT OF WORK

±600' FROM PROPERTY LINE TO STONY BROOK

7' HIGH CHAIN LINK FENCING (TYP)

PROPOSED 15' WIDE GRAVEL ACCESS DRIVE (TYP)

AREAS WITHIN LIMIT OF WORK SHALL BE SEEDED WITH SOLAR FARM SEED MIX AT INTERVALS PRESCRIBED IN CONSTRUCTION SEQUENCE.

PROPOSED DOUBLE CHAIN LINK GATE

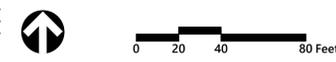
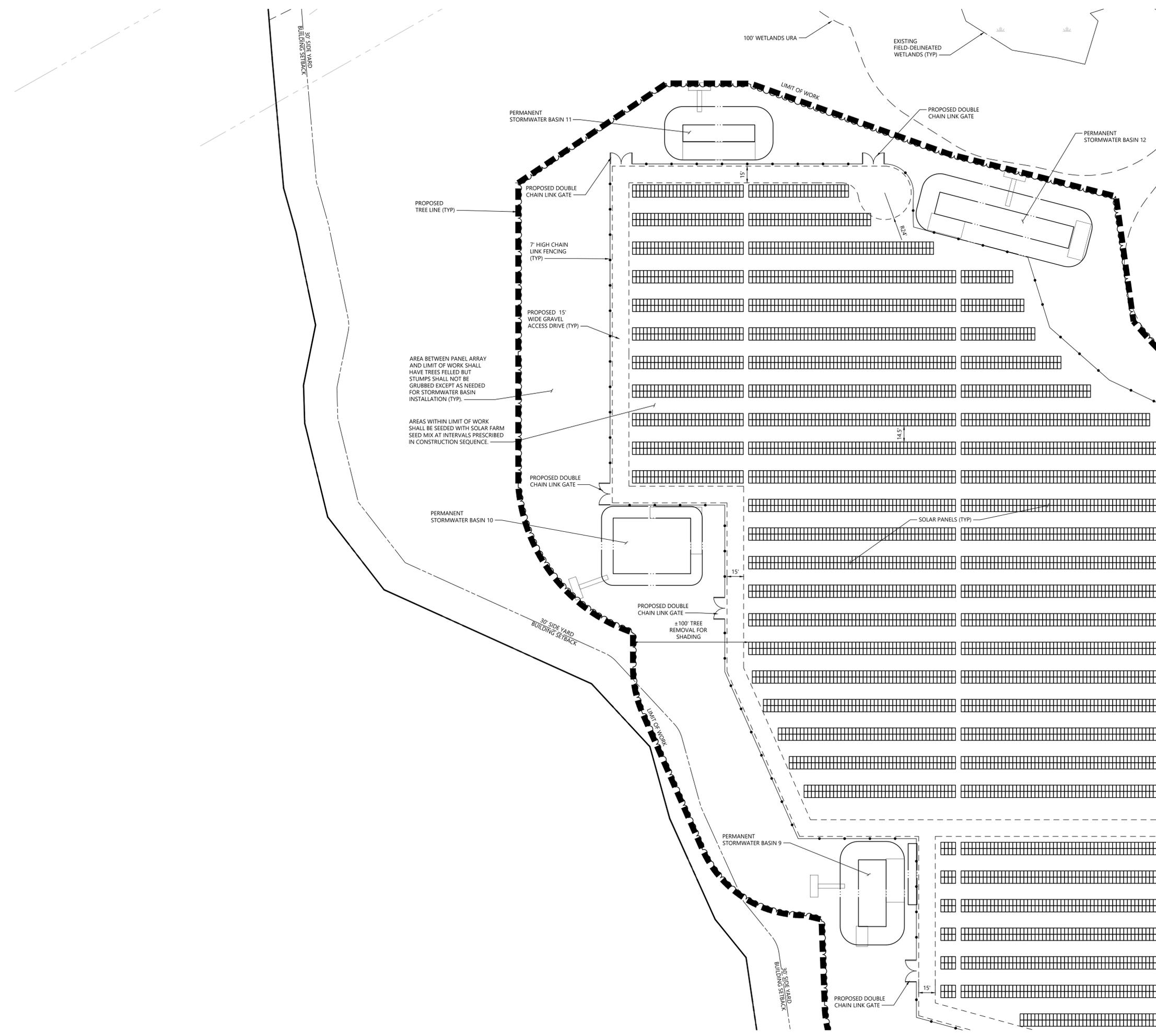
PERMANENT STORMWATER BASIN 4

AREAS WITHIN LIMIT OF WORK SHALL BE SEEDED WITH SOLAR FARM SEED MIX AT INTERVALS PRESCRIBED IN CONSTRUCTION SEQUENCE.

LIMIT OF WORK

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by: _____ Checked by: _____
Issued for: _____ Date: _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
Layout and Materials Plan

Sheet **C-3.7** of 43

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by
Issued for	Date

Application December 2, 2019

Not Approved for Construction

Layout and Materials Plan

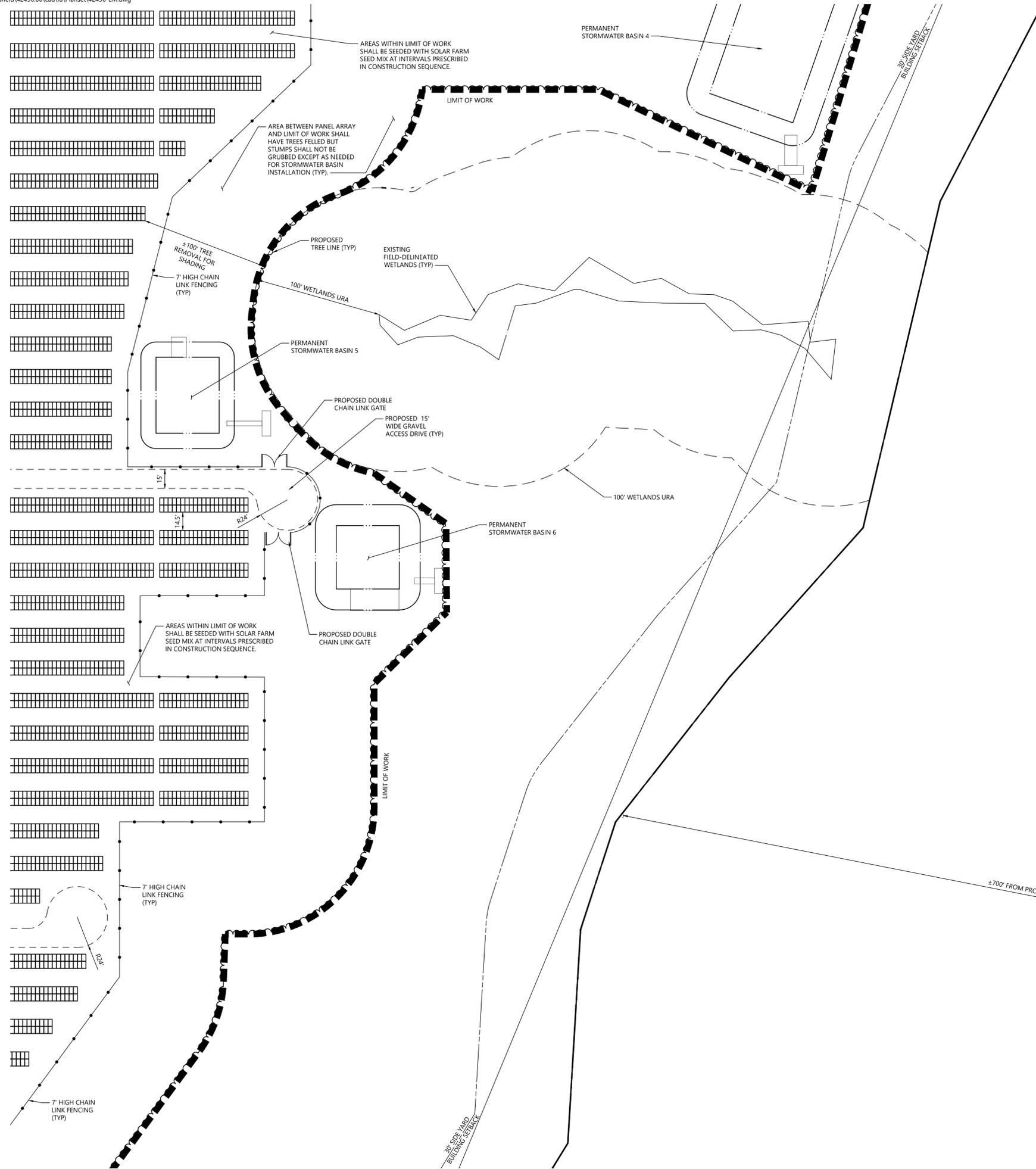
Drawing Number

C-3.8

Sheet of
11 43

Project Number
42496.00

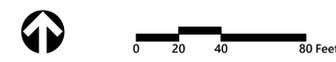




vhb.com
100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
Layout and Materials Plan

Drawing Number

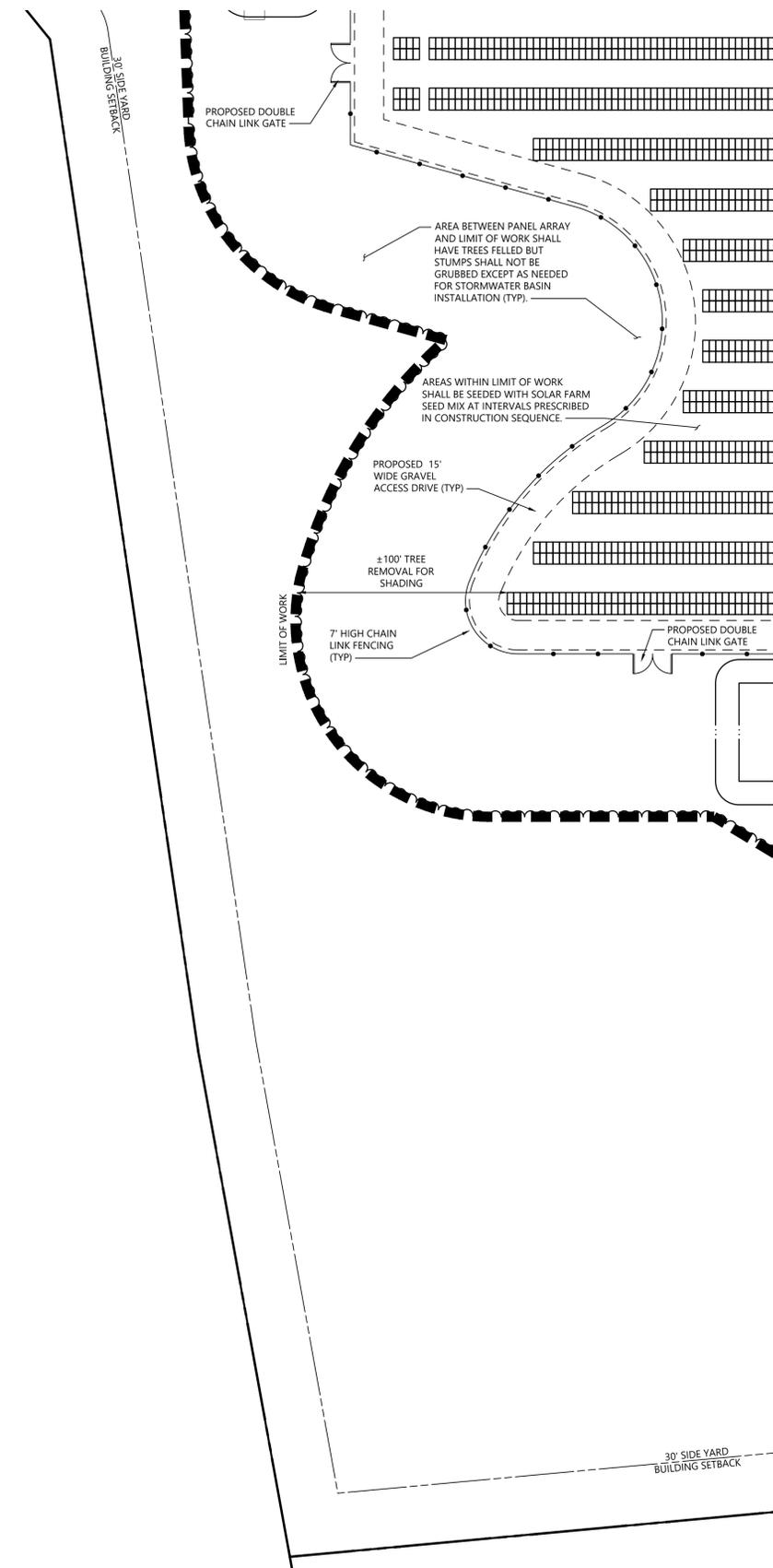
C-3.9

Sheet of
12 43

Project Number
42496.00



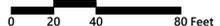
100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____

Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction
Drawing Title
Layout and Materials Plan

Drawing Number

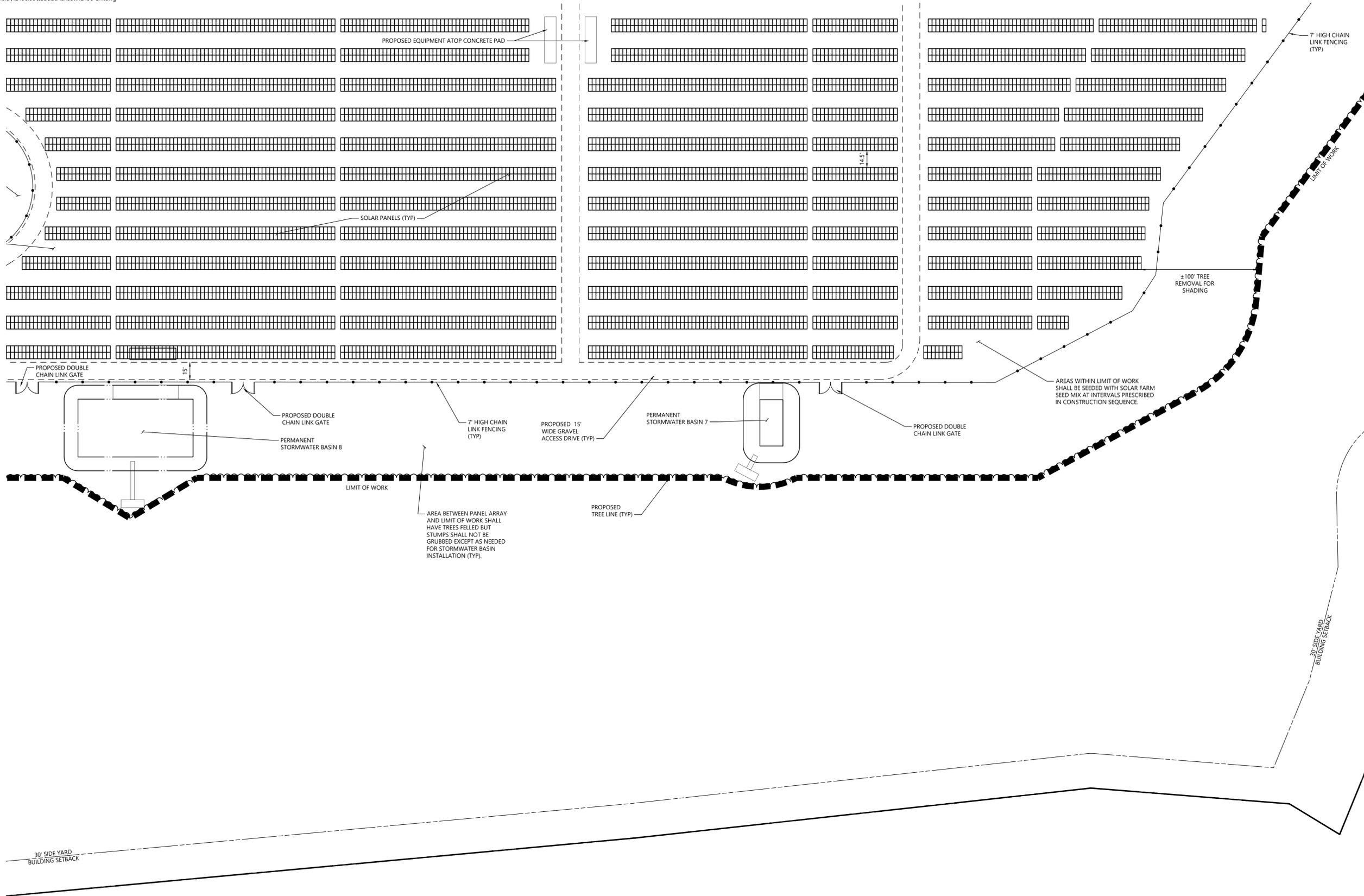
C-3.10

Sheet of
13 43

Project Number
42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____
Issued for _____ Date _____

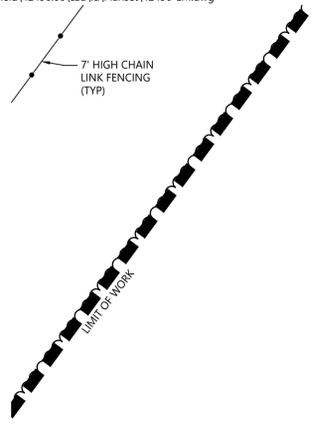
Application December 2, 2019

Not Approved for Construction
Drawing Title
Layout and Materials Plan
Drawing Number

C-3.11

Sheet 14 of 43

Project Number
42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-3.1	C-3.2	C-3.3
C-3.4	C-3.5	C-3.6
C-3.7	C-3.8	C-3.9
C-3.10	C-3.11	C-3.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____

Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction

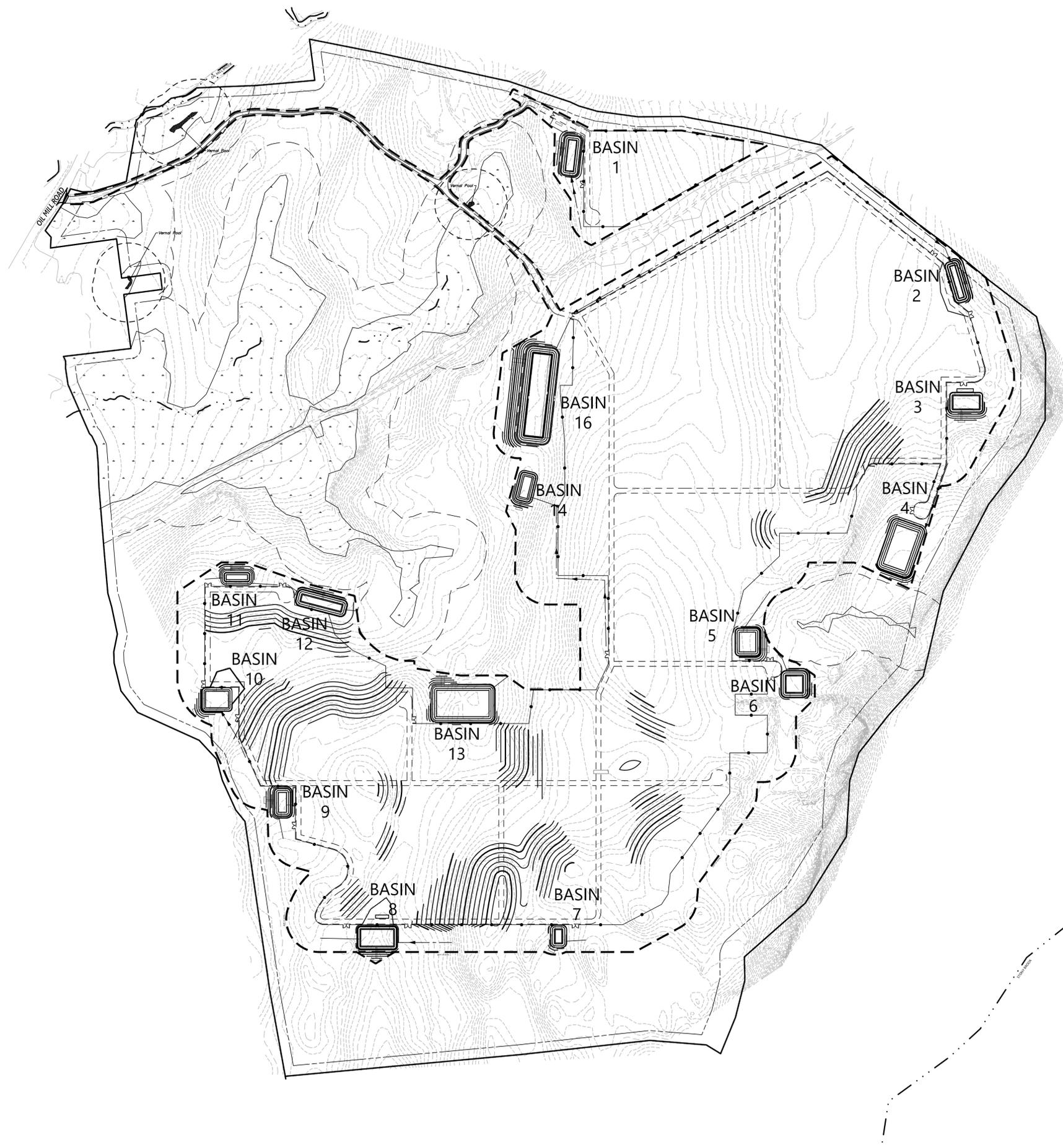
Layout and
Materials Plan

Drawing Number

C-3.12

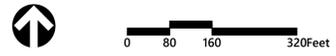
Sheet 15 of 43

Project Number
42496.00



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____
Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction
Drawing Title
**Grading and
Drainage Plan - Overall**

Drawing Number

C-4.0

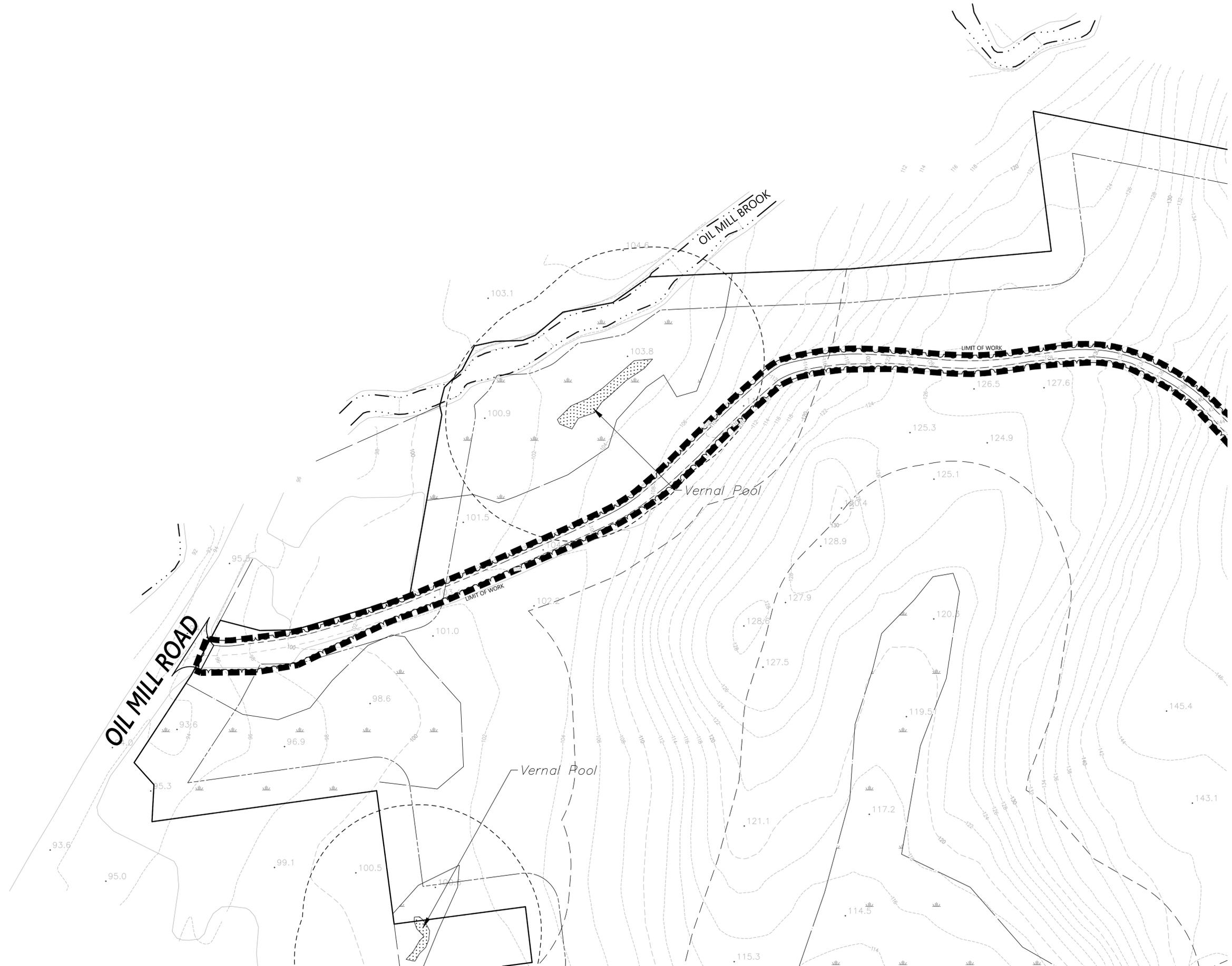
Sheet of
16 43



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
 117 Oil Mill Road
 Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____
 Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction

Drawing Title
**Grading and
 Drainage Plan**

Drawing Number

C-4.1

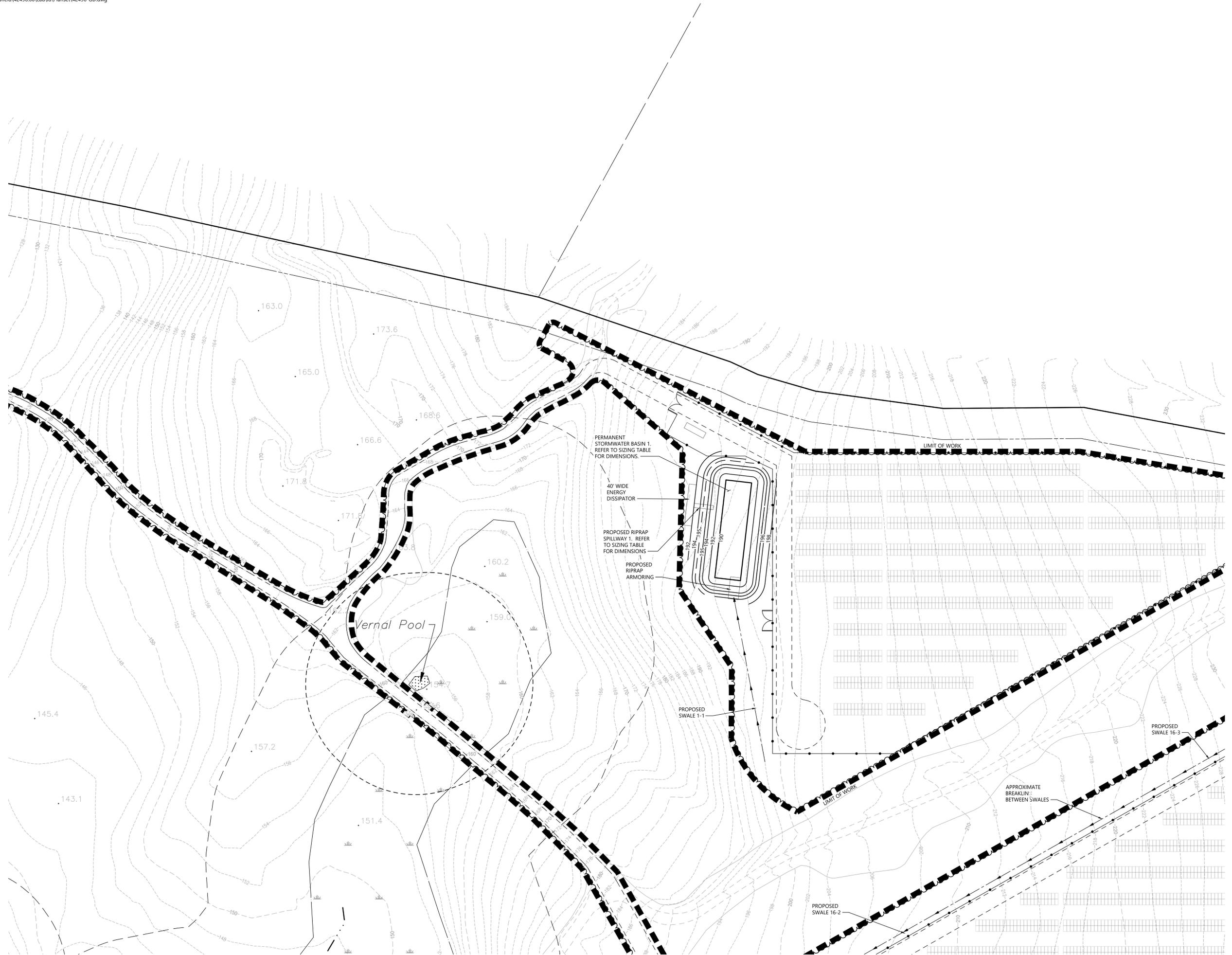
Sheet 17 of 43

Project Number
42496.00

C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by
Issued for	Date
Application	December 2, 2019

Not Approved for Construction

**Grading and
Drainage Plan**

Drawing Number

C-4.2

Sheet 18 of 43

Project Number 42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by
Issued for	Date

Application December 2, 2019

Not Approved for Construction

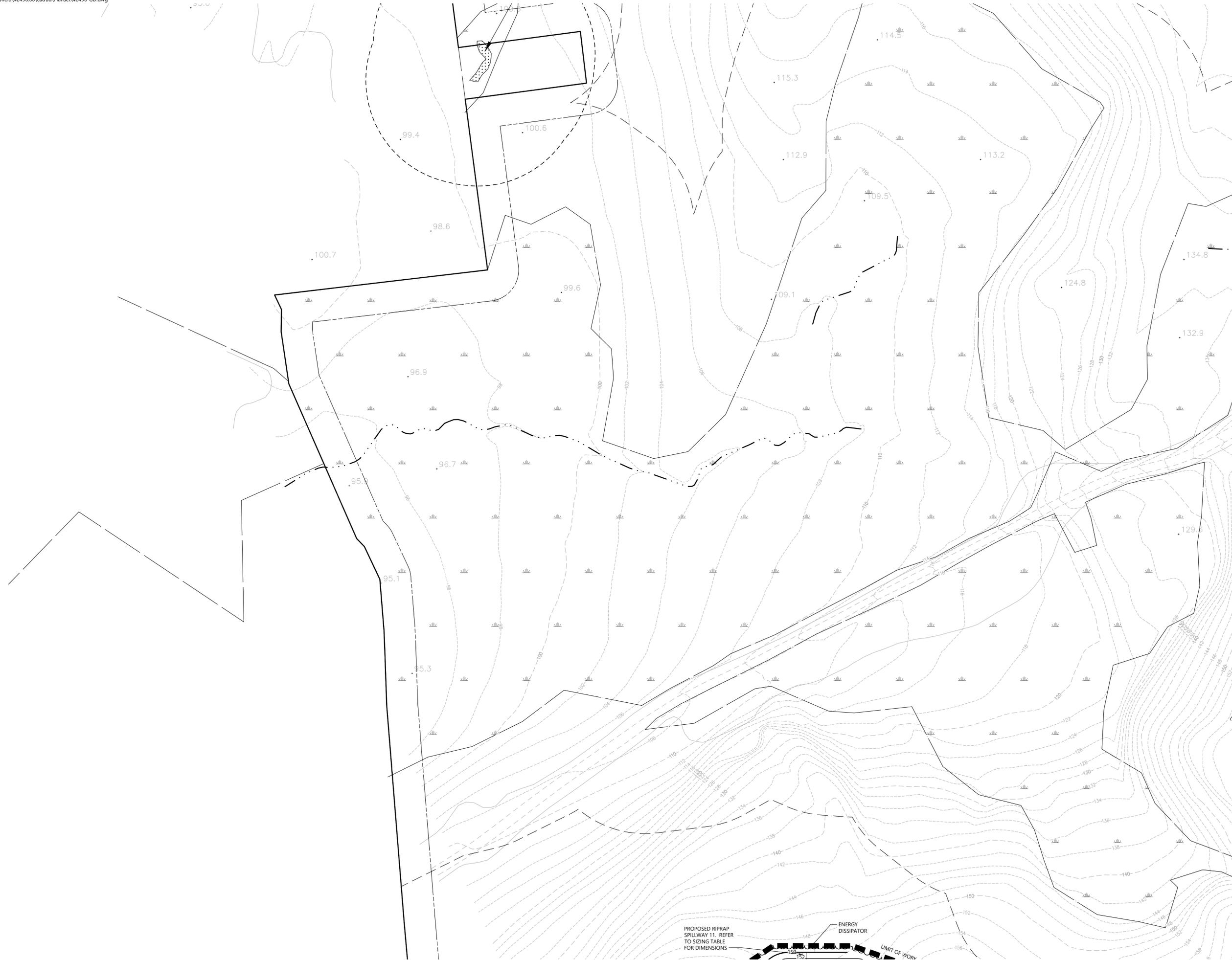
**Grading and
Drainage Plan**

Drawing Number

C-4.4

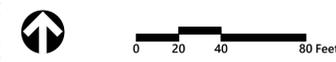
Sheet 20 of 43

Project Number
42496.00



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



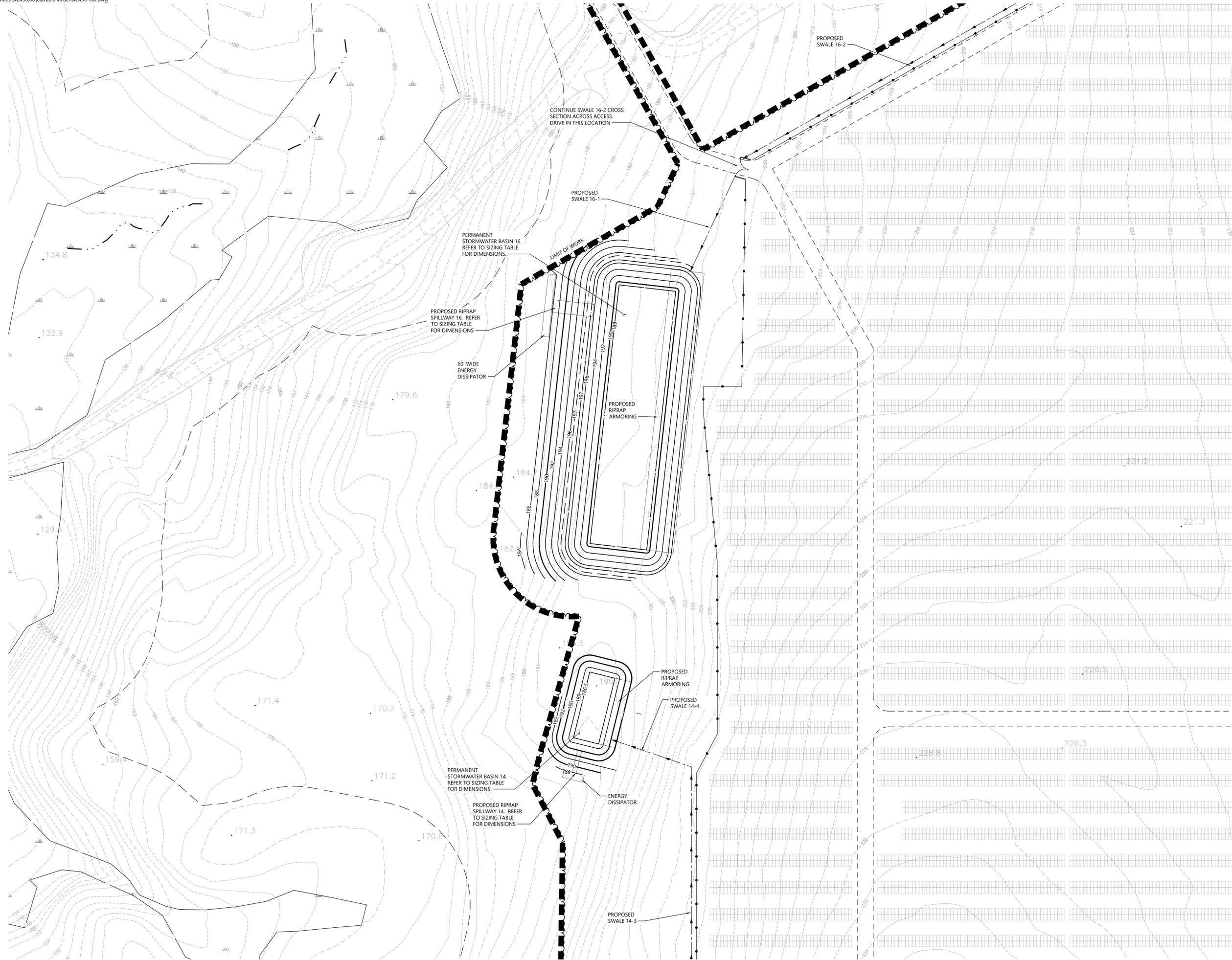
Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
Grading and Drainage Plan

Drawing Number
C-4.5
Sheet of
21 43



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by: _____ Checked by: _____
Issued for: _____ Date: December 2, 2019

Application

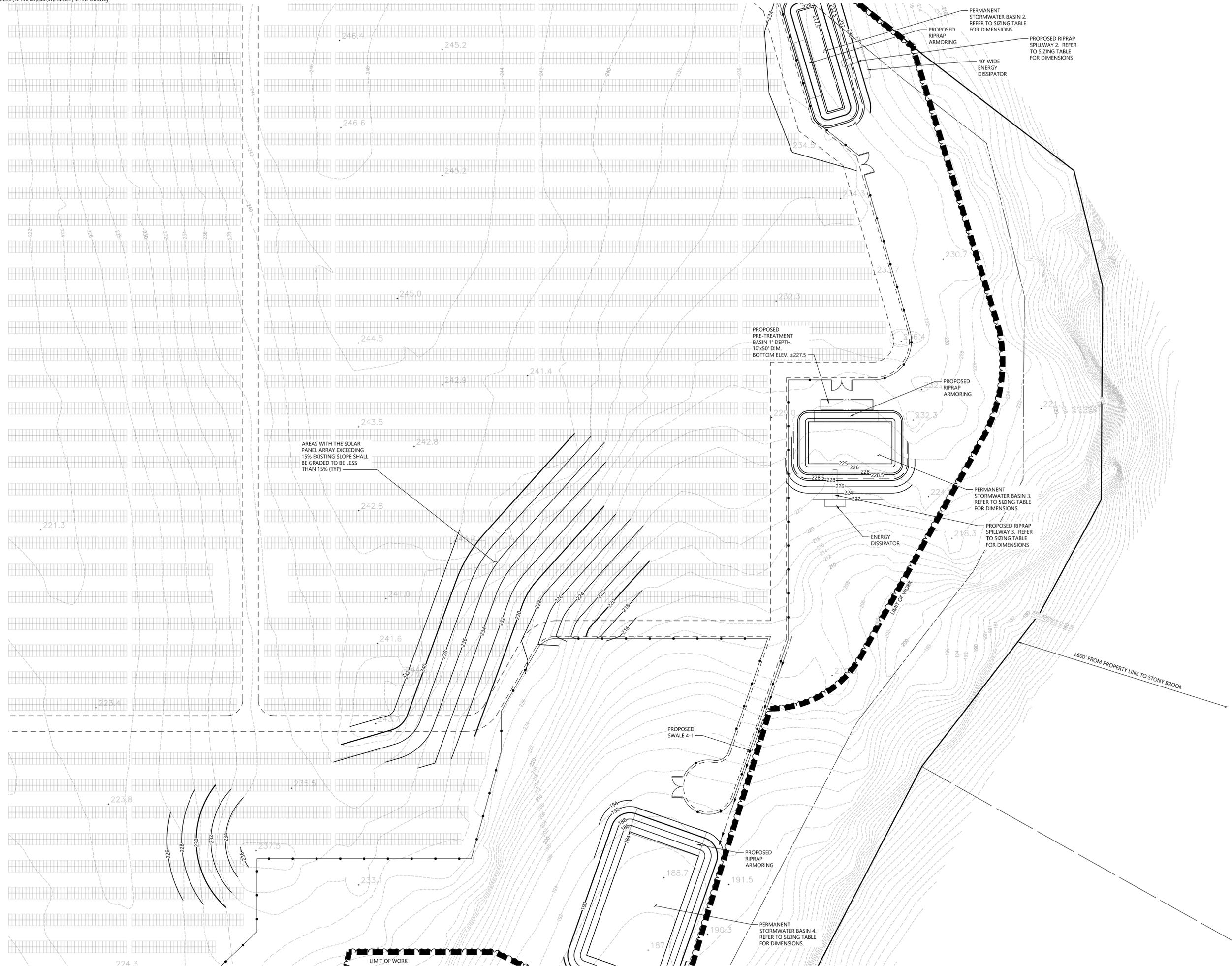
Not Approved for Construction
Drawing Title
Grading and Drainage Plan

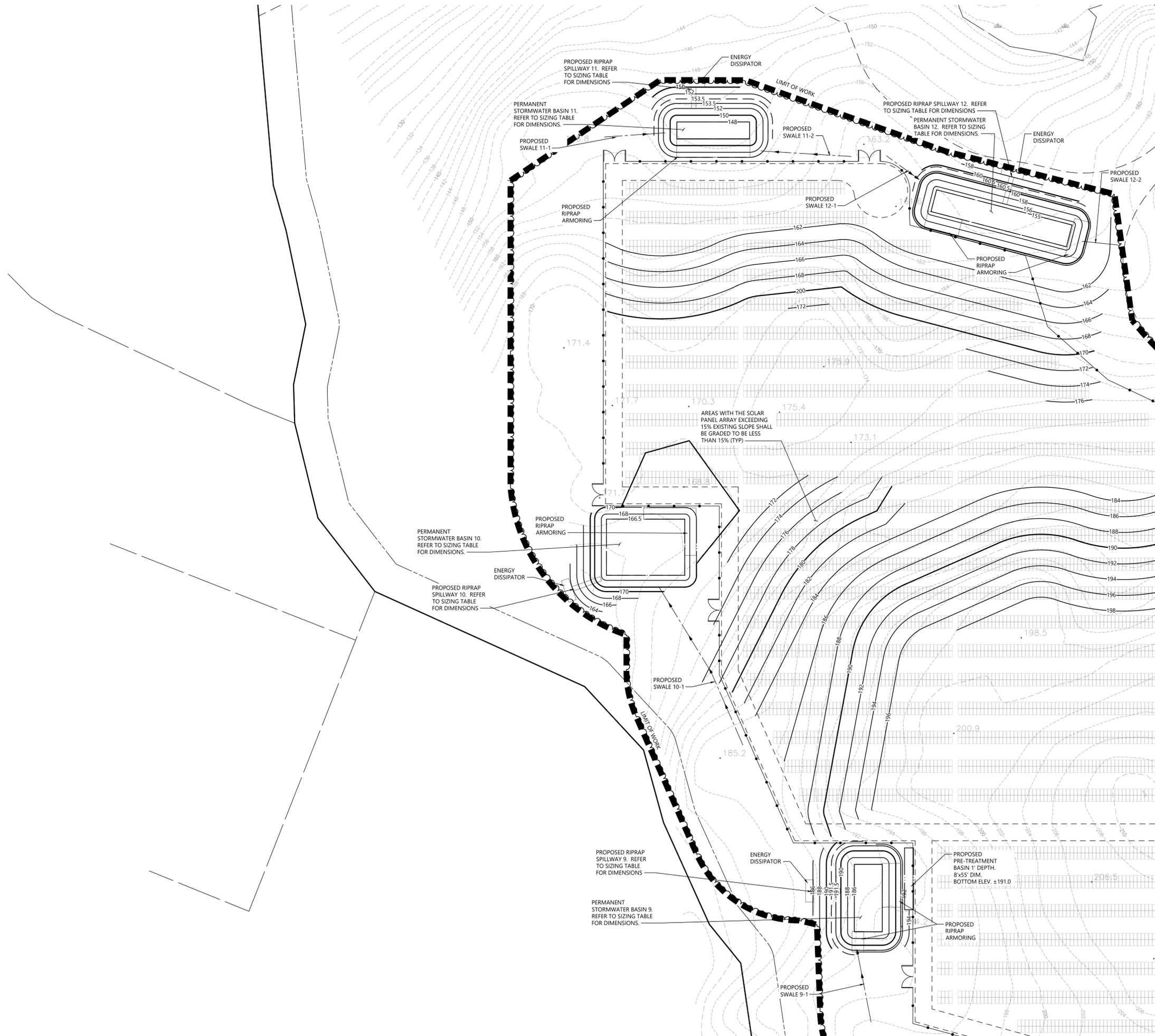
Drawing Number

C-4.6

Sheet of
22 43

Project Number
42496.00





C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by _____ Checked by _____
Issued for _____ Date _____

Application December 2, 2019

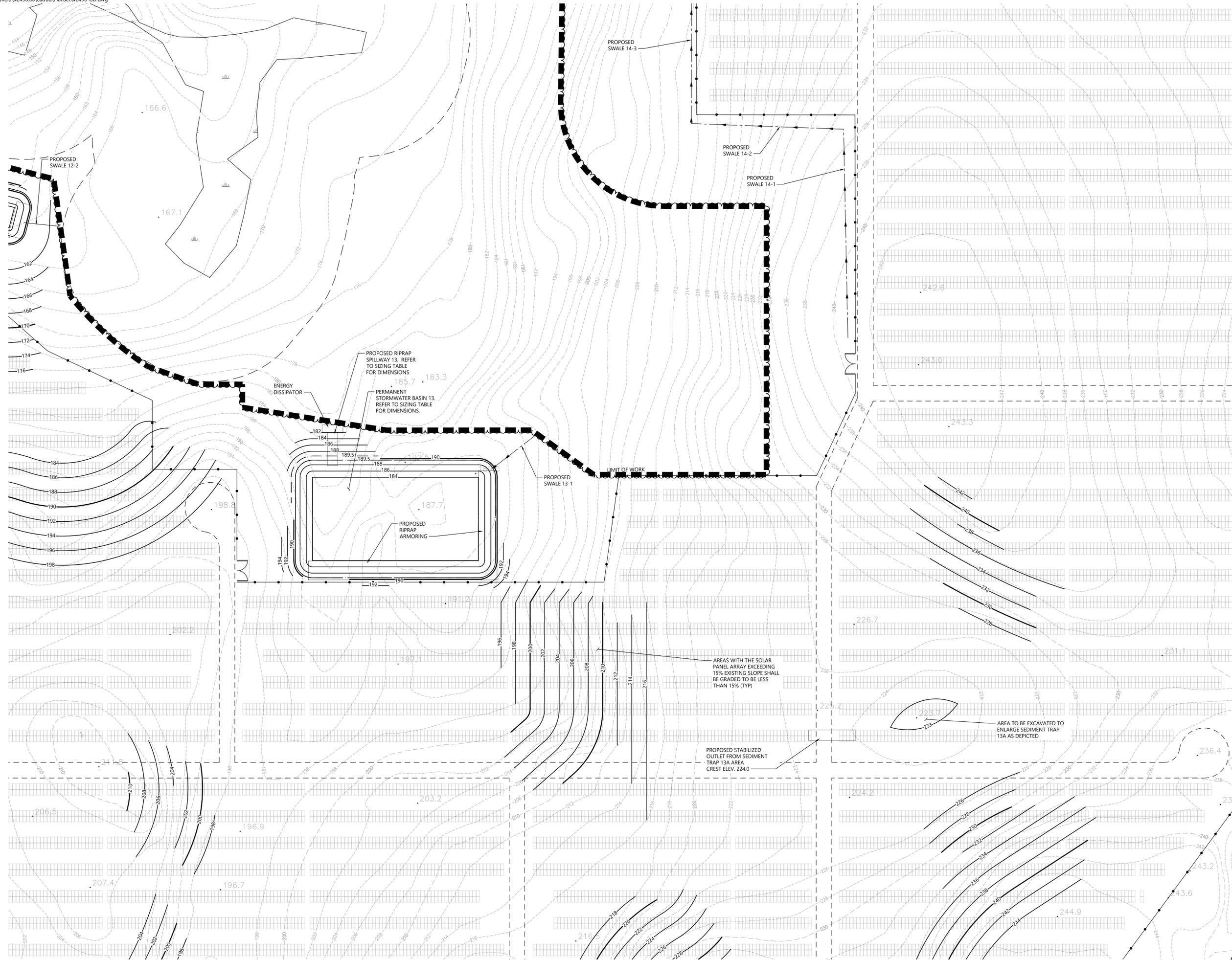
Not Approved for Construction

Grading and Drainage Plan

Drawing Number

C-4.7

Sheet 23 of 43



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Aspd.

Designed by _____ Checked by _____

Issued for _____ Date December 2, 2019

Application

Not Approved for Construction

**Grading and
Drainage Plan**

Drawing Number

C-4.8

Sheet 24 of 43

Project Number
42496.00

AREAS WITH THE SOLAR
PANEL ARRAY EXCEEDING
15% EXISTING SLOPE SHALL
BE GRADED TO BE LESS
THAN 15% (TYP)

AREA TO BE EXCAVATED TO
ENLARGE SEDIMENT TRAP
13A AS DEPICTED

PROPOSED STABILIZED
OUTLET FROM SEDIMENT
TRAP 13A AREA
CREST ELEV. 224.0

PROPOSED RIPRAP
SPILLWAY 13. REFER
TO SIZING TABLE
FOR DIMENSIONS.

PERMANENT
STORMWATER BASIN 13.
REFER TO SIZING TABLE
FOR DIMENSIONS.

ENERGY
DISSIPATOR

PROPOSED RIPRAP
ARMORING

PROPOSED SWALE 13-1

LIMIT OF WORK

PROPOSED SWALE 14-2

PROPOSED SWALE 14-1

PROPOSED SWALE 14-3

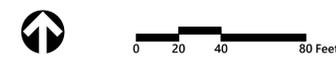
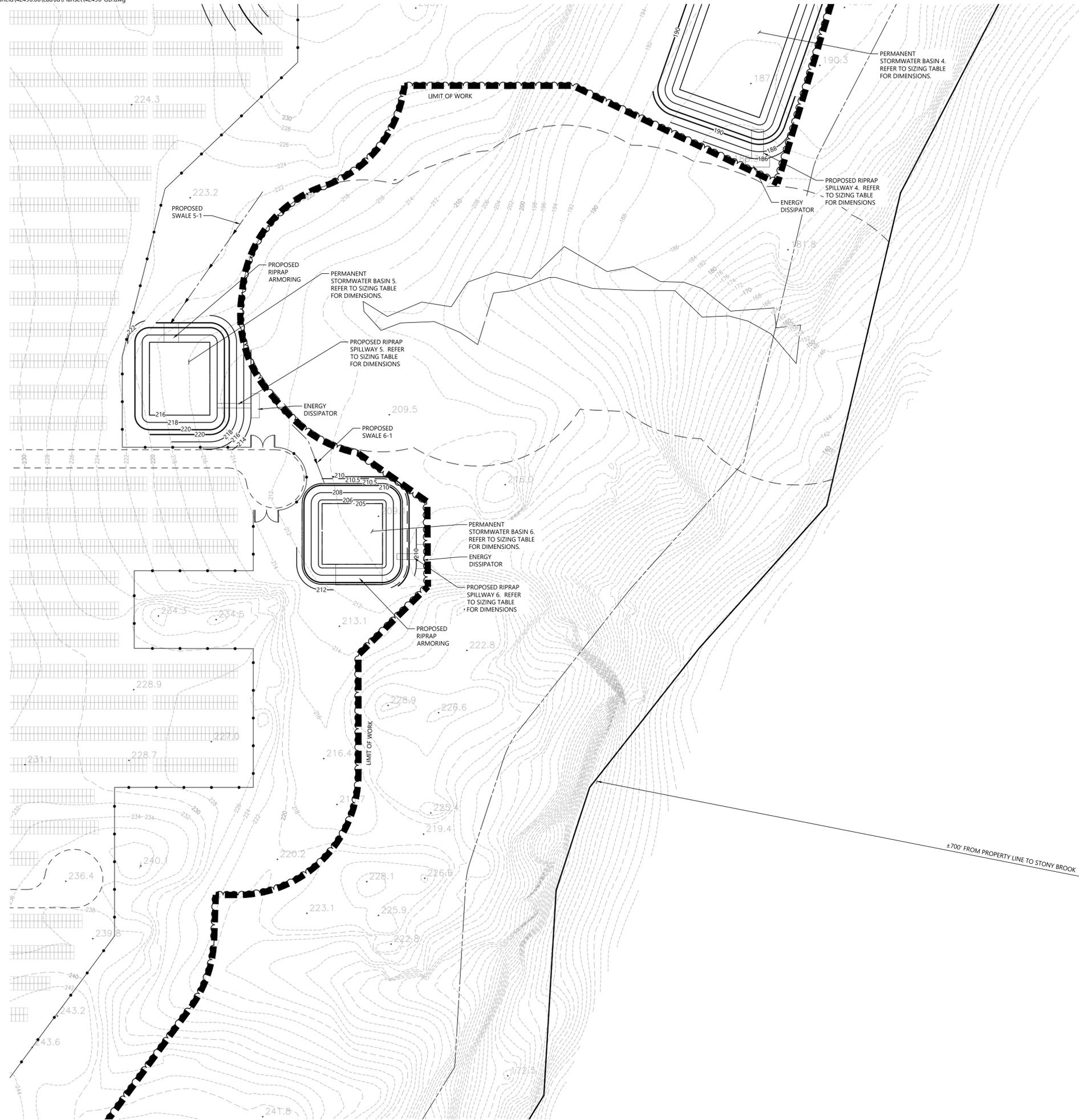
PROPOSED SWALE 12-2



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
**Grading and
Drainage Plan**

Drawing Number

C-4.9

Sheet of
25 43

Project Number
42496.00

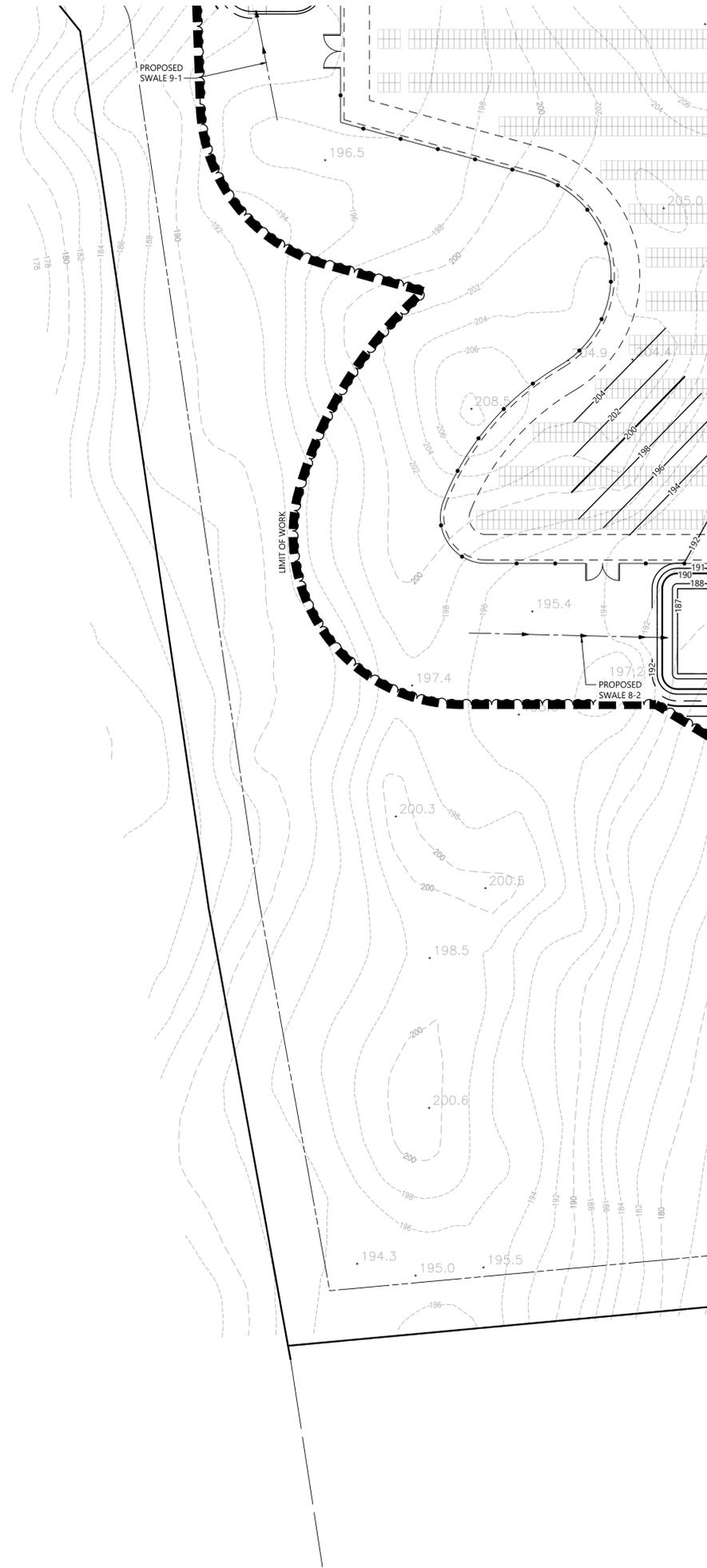


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key

Not To Scale



Photovoltaic Installation
 117 Oil Mill Road
 Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____
 Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction

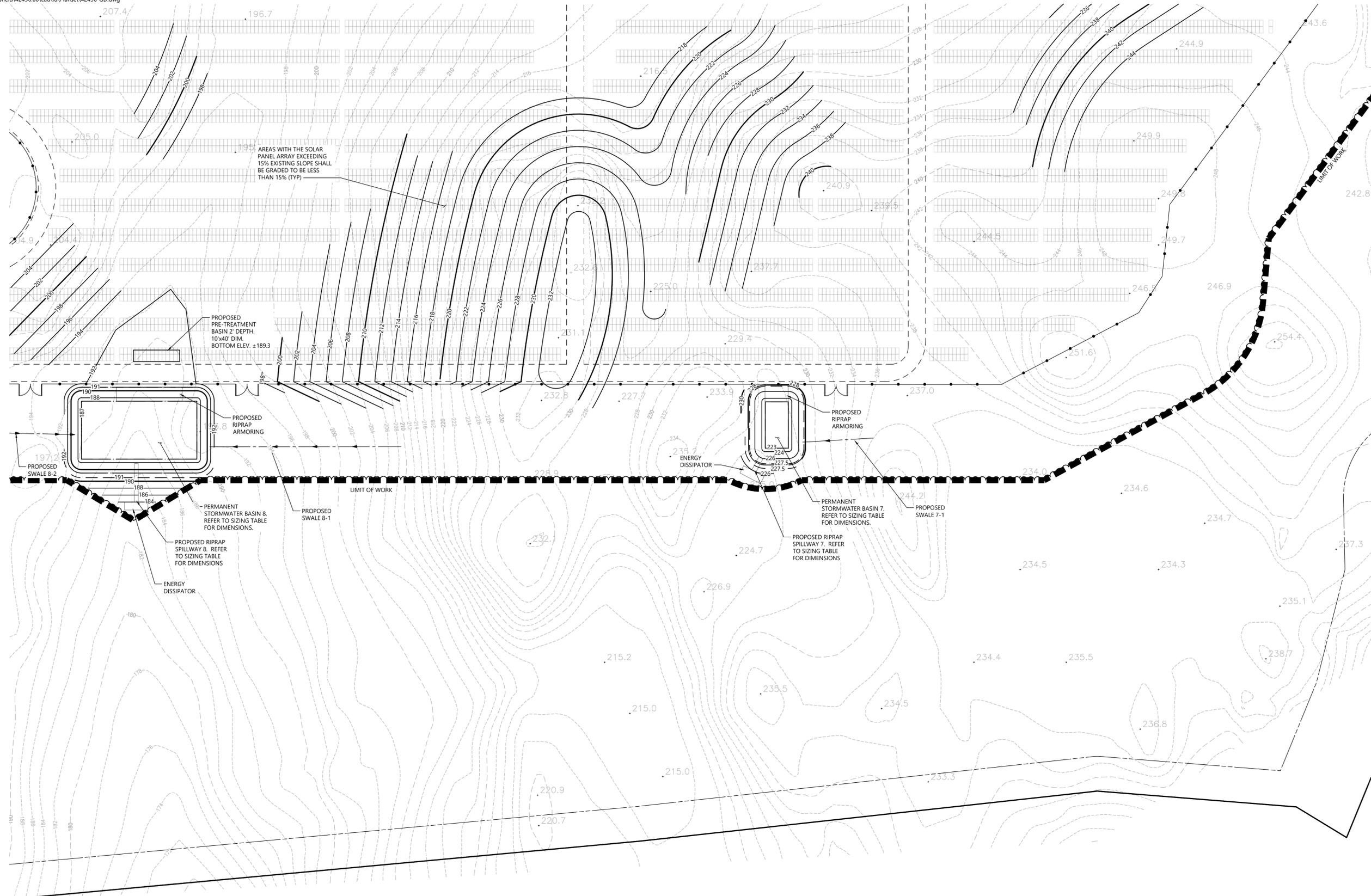
Drawing Title
**Grading and
 Drainage Plan**

Drawing Number

C-4.10

Sheet of
26 43

Project Number
42496.00



C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

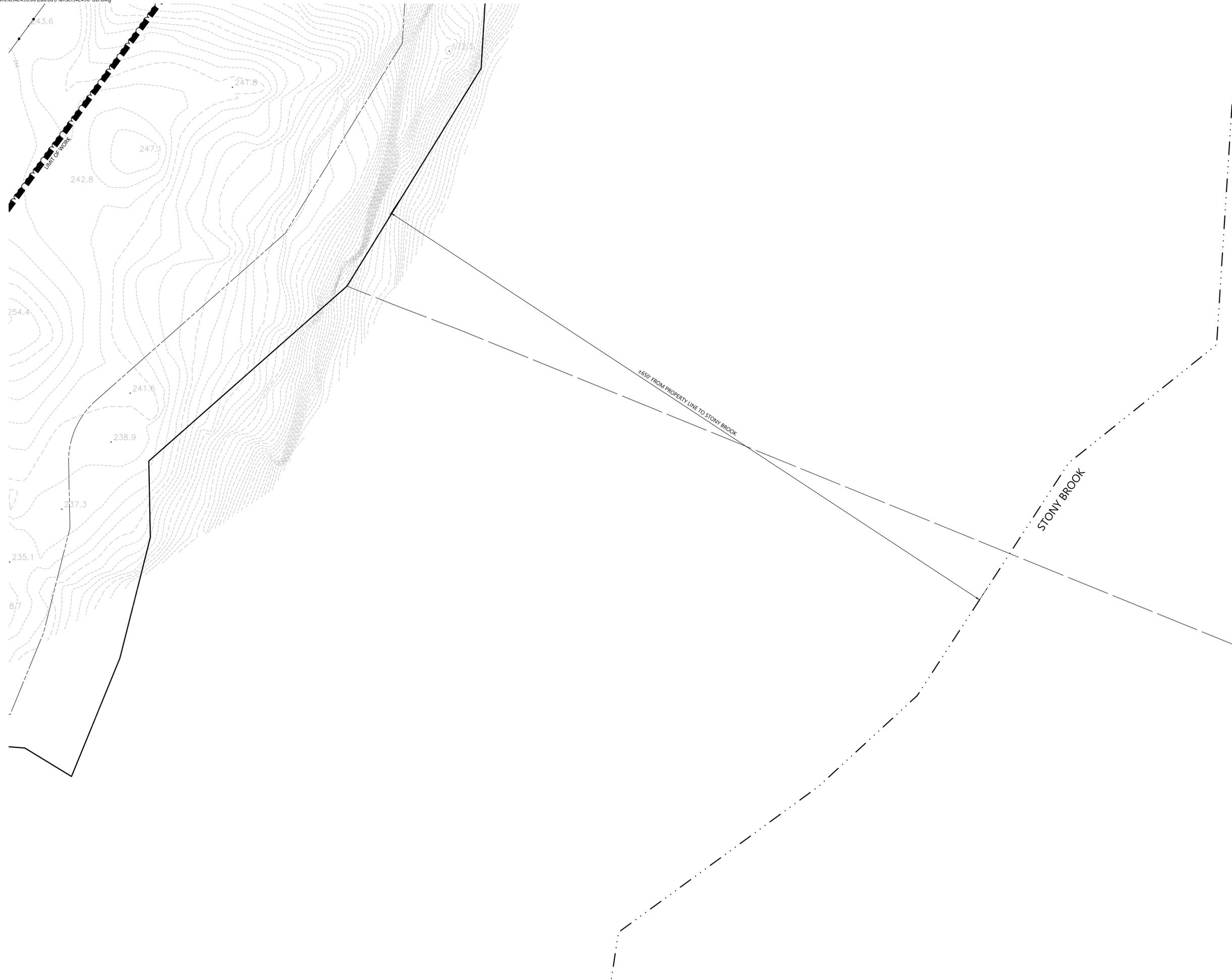
Not Approved for Construction
Drawing Title
**Grading and
Drainage Plan**

Drawing Number

C-4.11

Sheet of
27 43

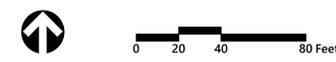
Project Number
42496.00



vhb.com
 100 Great Meadow Road
 Suite 200
 Wethersfield, CT 06109
 860.807.4300

C-4.1	C-4.2	C-4.3
C-4.4	C-4.5	C-4.6
C-4.7	C-4.8	C-4.9
C-4.10	C-4.11	C-4.12

Key
 Not To Scale



Photovoltaic Installation
 117 Oil Mill Road
 Waterford, Connecticut

No.	Revision	Date	Apprd.

Designed by _____ Checked by _____
 Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
 Drawing Title
**Grading and
 Drainage Plan**

Drawing Number

C-4.12

Sheet _____ of _____
 28 43

Project Number
42496.00

CONSTRUCTION SEQUENCING

ALL CONSTRUCTION ACTIVITIES ARE EXPECTED TO BEGIN IN THE SPRING/SUMMER OF 2020 AND COMPLETED BY THE END OF 2020. THE GENERAL CONSTRUCTION NOTES ARE AS FOLLOWS:

1. THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM, NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT. DESIGNATED ACCESS DRIVES MUST BE USED TO THE MAXIMUM EXTENTS POSSIBLE.
2. A QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND PREPARING REPORTS IN ACCORDANCE WITH SECTION 5(B)(4)(B) OF THE CONSTRUCTION GENERAL PERMIT. IT IS ALSO ANTICIPATED THAT REPRESENTATIVES FROM CTDEEP AND/OR THE STATE CONSERVATION DISTRICT WILL PERFORM PERIODIC INSPECTIONS.
3. ENGINEER OF RECORD SHALL PERFORM THREE (3) MONTHLY PLAN IMPLEMENTATION INSPECTIONS WITHIN THE FIRST 90 DAYS OF CONSTRUCTION ACTIVITY, AS REQUIRED BY CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION.
4. THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT, ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE WARRANTED AT THE DISCRETION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER. THESE IMPROVEMENTS MUST BE IMPLEMENTED IN A TIMELY FASHION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT. ADDITIONALLY, AREAS OF PROPOSED COMPACTED NATIVE SOIL ROADS SHALL BE CONVERTED TO STABLE GRAVEL ROADS IF/AS DETERMINED BY THE QUALIFIED INSPECTOR OR ENGINEER OF RECORD.
5. PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF WATERFORD WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
6. CONTRACTOR SHALL ADHERE TO 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.
7. THE CONTRACTOR SHALL FLAG THE LIMITS OF CLEARING NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
8. THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETING(S). ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CTDEEP, TOWN OF WATERFORD, ENGINEER OF RECORD, AND QUALIFIED SWPPP INSPECTOR.
9. THE CONTRACTOR SHALL CONTACT CALL-BEFORE-YOU-DIG (1-800-922-4455) PRIOR TO ENGAGING IN ANY EXCAVATION ACTIVITIES AT THE SITE.
10. THE CONTRACTOR SHALL NOTIFY THE TOWN OF WATERFORD AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT, 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
11. NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.
12. ANTICIPATED WORK HOURS WILL BE BETWEEN 6:30 AM AND 5:00 PM.

PRE-CONSTRUCTION SITE PROTECTION SEQUENCE

1. INSTALL STABILIZED VEHICULAR CONSTRUCTION EXIT AT THE EXISTING ROAD INTERSECTING WITH OIL MILL ROAD.
2. SURVEY AND MARK ALL WOODLAND CLEARING LIMITS.
3. MARK TREES TO BE FELLED WITHIN 10 FEET OF CLEARING LIMITS AND INSTALL TREE PROTECTION FOR TREES TO BE PRESERVED WITHIN 10 FEET OF CLEARING LIMITS.
4. FIELD SURVEY AND MARK BOUNDARY BETWEEN CLEARING LIMITS AND GRUBBING LIMITS.
5. THE USE OF A TUB GRINDER IS RECOMMENDED FOR THE MULCHING OF FELLED TREES.
6. AS TREES ARE CLEARED AND GRUBBED, GRIND TOPS AND ROOT BALLS IN TUB GRINDER TO CREATE MATERIAL FOR WOOD CHIP MULCH BERM.
7. ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
8. AS MATERIAL IS PRODUCED, INSTALL MULCH BERM AT THE LIMIT OF DISTURBANCE GENERALLY IN AREAS OF CLEARED FOREST. MULCH BERM HAS NOMINAL DIMENSIONS OF 1.5 TO 2 FEET HIGH BY 4-FOOT WIDE.
9. IMMEDIATELY INSIDE THE PERIMETER MULCH BERM, INSTALL ENTRENCHED SILT FENCE FOLLOWING STANDARDS OF THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL. MULCH BERM AND PERIMETER SILT FENCE SHALL BE MAINTAINED IN PERPETUITY UNTIL COMPLETION OF CONSTRUCTION. NO WORK SHALL BE ALLOWED OUTSIDE OF THESE LIMITS.
10. CONCURRENT WITH ITEMS 2 THROUGH 9 ABOVE, THE CONTRACTOR SHALL ADDRESS ONGOING EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND FILLING AND GRADING GULLIES. TRACK GULLIES UP AND DOWN SLOPE AND HYDROSEED WITH A THERMALLY-TREATED WOOD BONDED FIBER MATRIX (BFM) MULCH WITH TACKIFIER. A STAPLED BIODEGRADABLE EROSION CONTROL BLANKET WITHOUT MONOFILAMENT MESH IS AN ACCEPTABLE ALTERNATIVE FOR HYDROSEED AND BFM.
11. INSTALL TEMPORARY SEDIMENT TRAPS IN ACCORDANCE WITH THE APPROVED SITE-SPECIFIC SWPPP AND CT GUIDELINES. THE ENGINEER OF RECORD SHALL INSPECT FEATURES TO CONFIRM REQUIRED STORAGE CAPACITIES ARE PROVIDED AND THAT OUTLETS AND/OR SPILLWAYS ARE CONSTRUCTED CORRECTLY. DISCHARGE AREAS BELOW OUTFALLS MUST BE INSPECTED TO CONFIRM FLOW WILL BE OVER STABLE GROUND AND SHEET FLOW IS ENCOURAGED. IF DISTURBED SOILS ARE PRESENT, THE ENGINEER OF RECORD TO PROVIDE CORRECT MEASURES TO ADDRESS CONDITION.
12. SEED AND PROTECT DISTURBED SOILS AROUND SEDIMENT TRAPS AND BASINS WITHIN 10 DAYS OF COMPLETION. SECURE SEED WITH A THERMALLY-TREATED BFM APPLIED FOLLOWING MANUFACTURER'S SPECIFICATIONS FOR USE AT SPECIFIED APPLICATION RATES. AN ANIONIC POLYACRYLAMIDE PRODUCT MAY BE INCLUDED WITH THE TACKIFIER TO PROMOTE SOIL STABILITY. ALL OTHER AMENDMENTS SHOULD BE PRESCRIBED BASED ON THE RESULT OF SOIL TESTS.
13. INSTALL OTHER EROSION AND SEDIMENT CONTROLS FOLLOWING THE CT GUIDELINES AND MANUFACTURER'S DIRECTIONS. DURING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL MEASURES AS REQUIRED BY THE ENGINEER OF RECORD OR QUALIFIED INSPECTOR, TO PREVENT SEDIMENT-LADEN RUNOFF FROM REACHING WETLANDS OR DISCHARGING OFFSITE.
14. ESTABLISH DESIGNATED VEHICULAR TRAFFIC ACCESS ROADS (GRAVEL, OR COMPACTED NATIVE SOIL PER PLANS) THAT SHALL BE USED AS PRIMARY ACCESSES. EFFORTS MUST BE MADE TO MINIMIZE VEHICULAR TRAFFICKING ACROSS NON-DESIGNATED AREAS TO THE EXTENTS POSSIBLE.
15. SPREADED MULCH FROM PRE-EXISTING TIMBER HARVEST ON SITE SHALL BE CLEANED AND AREAS SEEDED PRIOR TO INITIATION OF CONSTRUCTION SEQUENCE.

CONSTRUCTION SEQUENCE

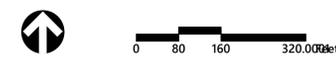
1. PERFORM MASS EARTHWORK ON THE SITE AND INSTALL PERIMETER FENCE TO SERVE AS CONSTRUCTION BARRIER. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM AREAS PROPOSED FOR REGRADING. REFER TO RESOURCE PROTECTION PLAN.
2. TOPSOIL SHALL BE REPLACED TO 3" MINIMUM DEPTH OVER REGRADED AREAS UPON COMPLETION OF MASS EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MASS EARTHWORK OPERATIONS SHALL BE RESEED WITHIN 10 DAYS OF COMPLETION.
3. DRIVE PILES FOR SOLAR PANEL RACKING.
4. THE INSTALLATION OF RACKING SHALL FOLLOW THE PILE DRIVING BY ROUGHLY ONE WEEK STARTING FROM THE SAME POINT. IT IS ANTICIPATED THAT APPROXIMATELY 13 ACRES OF PILES WILL BE IN AHEAD OF RACKING ON AVERAGE.
5. RESEED AND REGRADE ALL AREAS DISTURBED BY CONSTRUCTION TRAFFIC WITHIN THE ARRAYS WHERE RACKS ARE INSTALLED AS EARLY AS POSSIBLE. RUTS AND RILLS SHALL BE SMOOTHED AND GRADED AS DISCOVERED.
6. INSTALL SOLAR PANEL MODULES IN THE RACKING. MUCH OF THIS WORK IS ANTICIPATED TO BE PERFORMED BY HAND AND LIGHT CONSTRUCTION EQUIPMENT WHICH WILL CAUSE MINIMAL DISTURBANCE COMPARED TO THE USE OF HEAVY EQUIPMENT. DESIGNATED ACCESS ROADS SHALL STILL BE USED TO THE MAXIMUM EXTENTS POSSIBLE.
7. UPON COMPLETION OF CONSTRUCTION, RE-SEED ALL DISTURBED AREAS WITHIN 10 DAYS AND PREVENT VEHICULAR TRAFFICKING OVER THESE AREAS. INSTALL FINAL LANDSCAPING.
8. THE TEMPORARY SEDIMENT TRAPS/BASINS AND THEIR ASSOCIATED DIVERSION CHANNELS MAY BE REMOVED ONCE ALL TRIBUTARY AREAS UPSTREAM OF THEM HAVE BEEN COMPLETED AND STABILIZED WITH 80 PERCENT VEGETATED COVER, AT THE DIRECTION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER.
9. AFTER SITE IS STABILIZED, AND AFTER INSPECTION BY DESIGN ENGINEER, OR OTHER OWNER'S REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS. ENTIRE SITE SHALL BE CHECKED FOR AND CLEANED OF SEDIMENT AS NEEDED.



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by	Checked by
Issued for	Date
Application	December 2, 2019

Not Approved for Construction
Drawing Title
**Erosion and Sediment
Control Plan - Overall**

Drawing Number

C-5.0

Sheet of
29 43

Project Number
42496.00

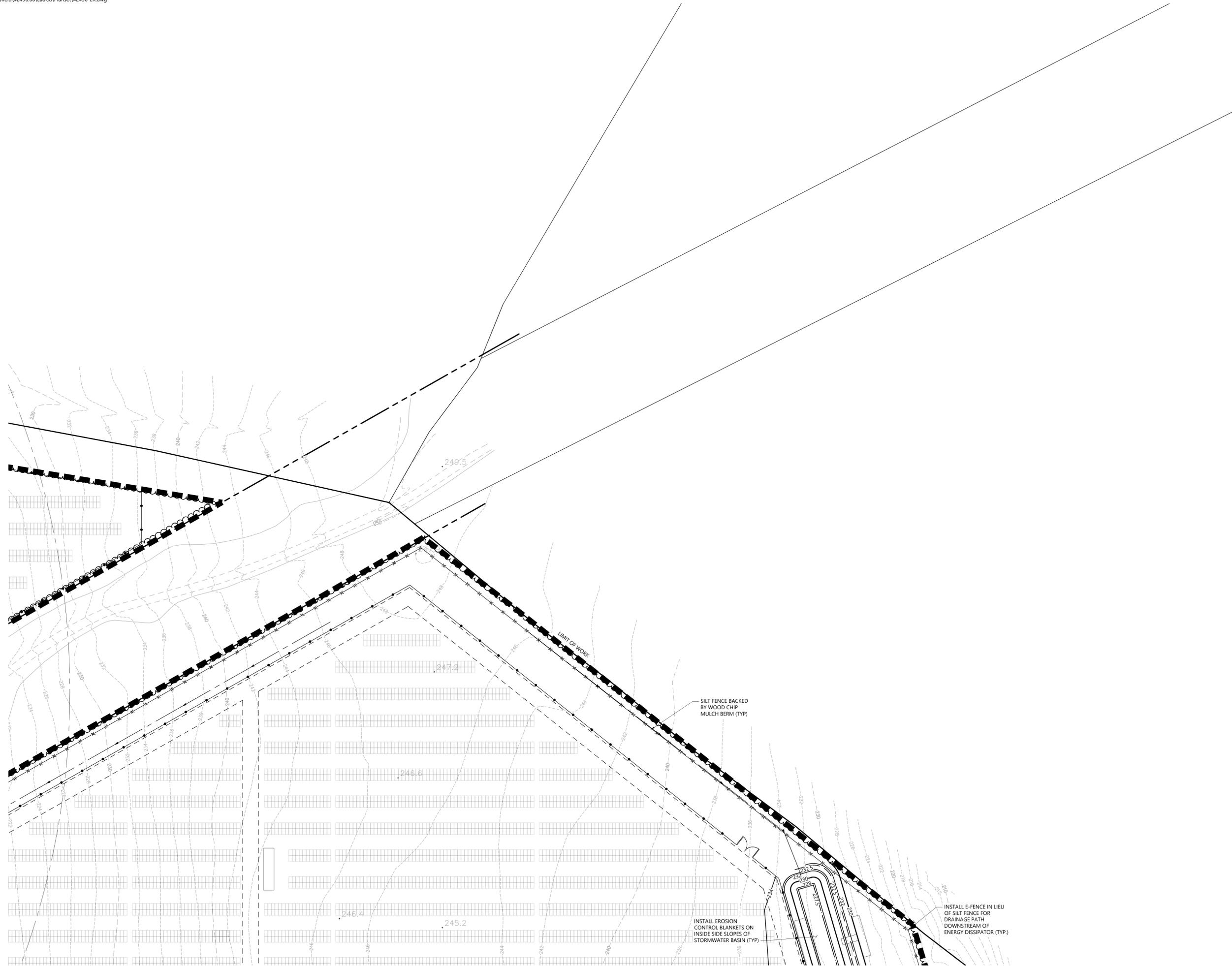


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____

Issued for _____ Date December 2, 2019

Application

Not Approved for Construction
Erosion and Sediment
Control Plan

Drawing Number

C-5.3

Sheet 32 of 43

Project Number
42496.00

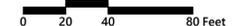
C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key

Not To Scale



0 20 40 80 Feet



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by
Issued for	Date
Application	December 2, 2019

Not Approved for Construction

Erosion and Sediment Control Plan

Drawing Number

C-5.4

Sheet 33 of 43

Project Number 42496.00



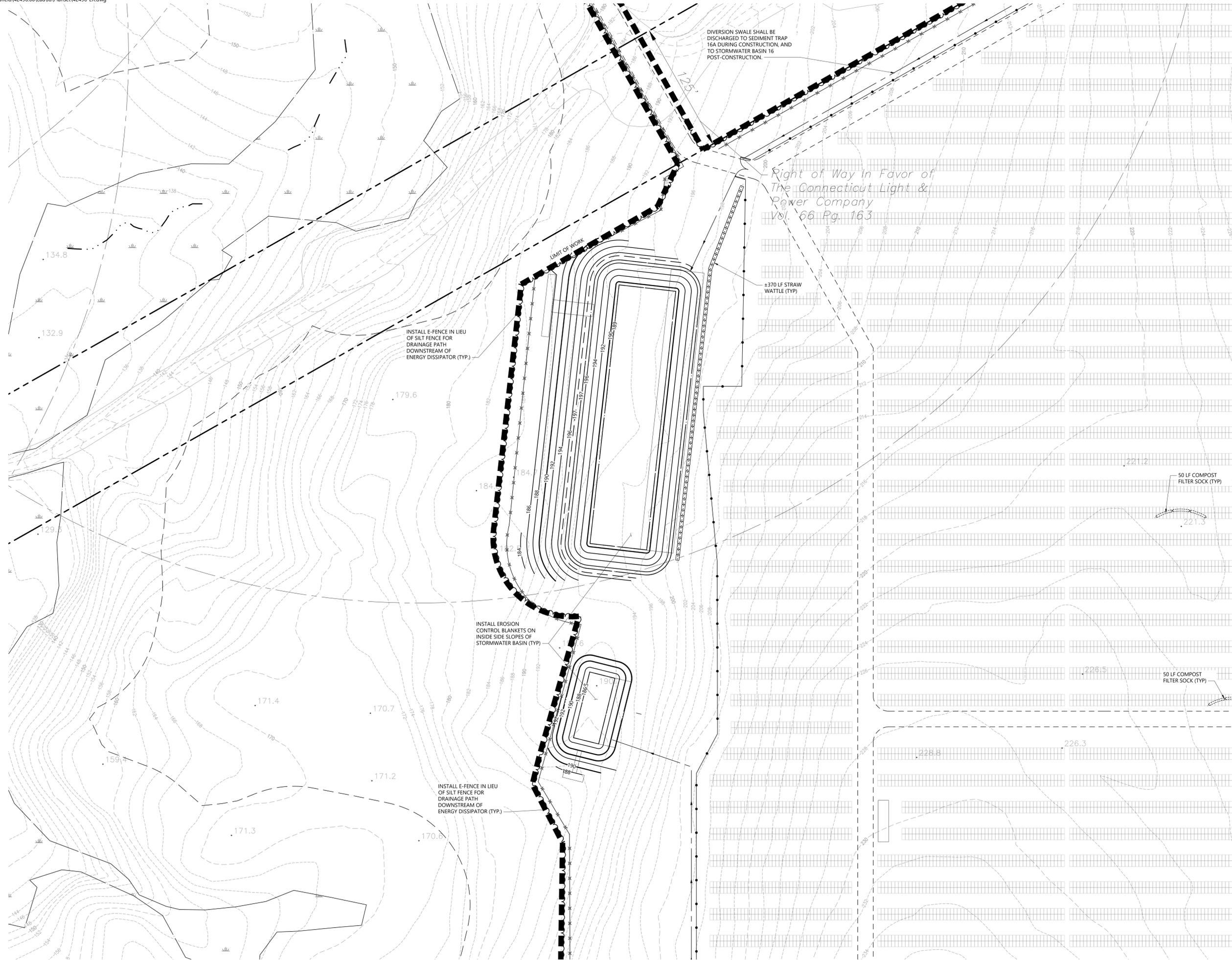


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by	Checked by

Application December 2, 2019

Not Approved for Construction
Erosion and Sediment Control Plan

Drawing Number

C-5.5

Sheet 34 of 43

Project Number
42496.00

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key

Not To Scale



0 20 40 80 Feet

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	App'd.

Designed by	Checked by

Issued for	Date

Application December 2, 2019

Not Approved for Construction

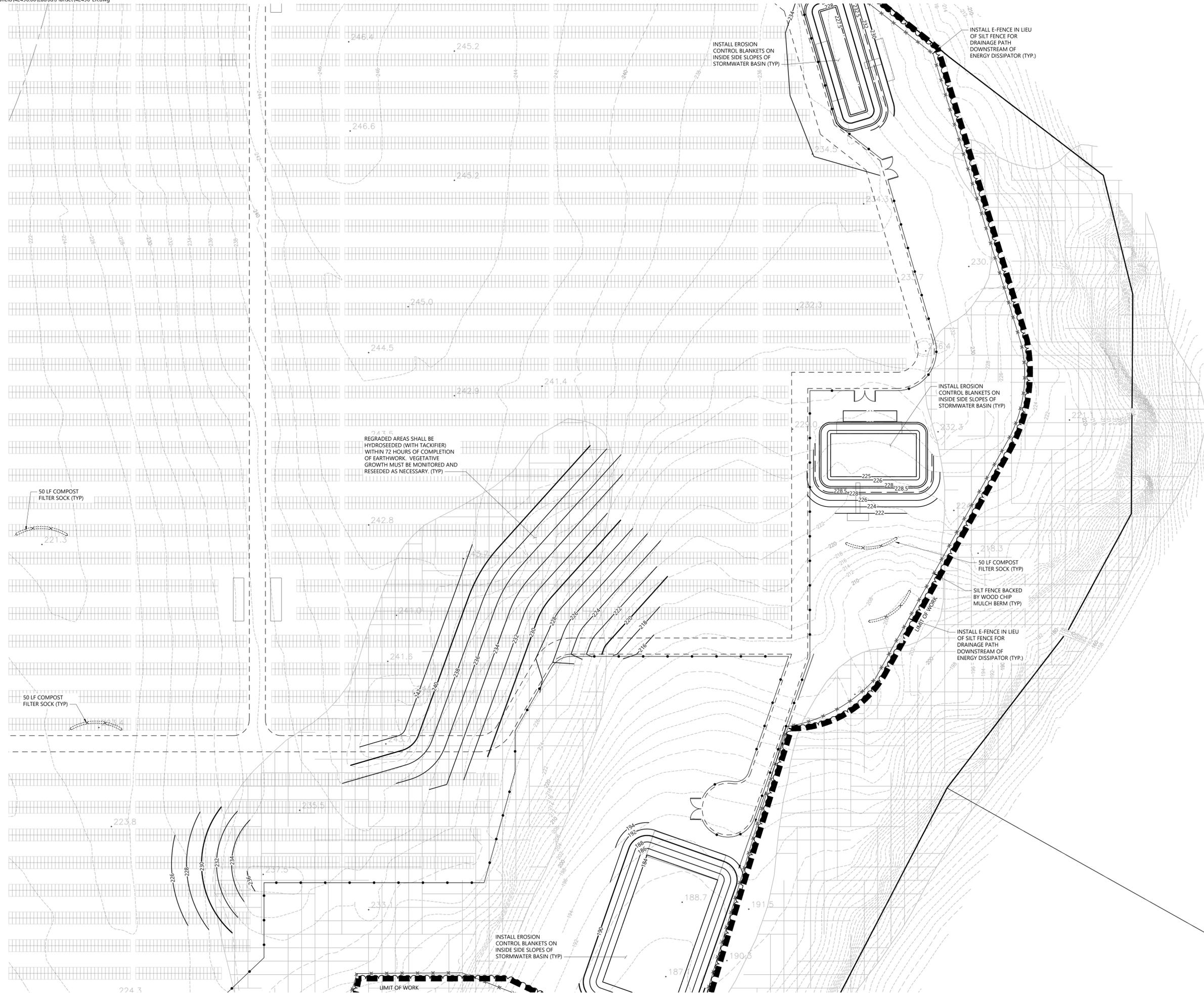
**Erosion and Sediment
Control Plan**

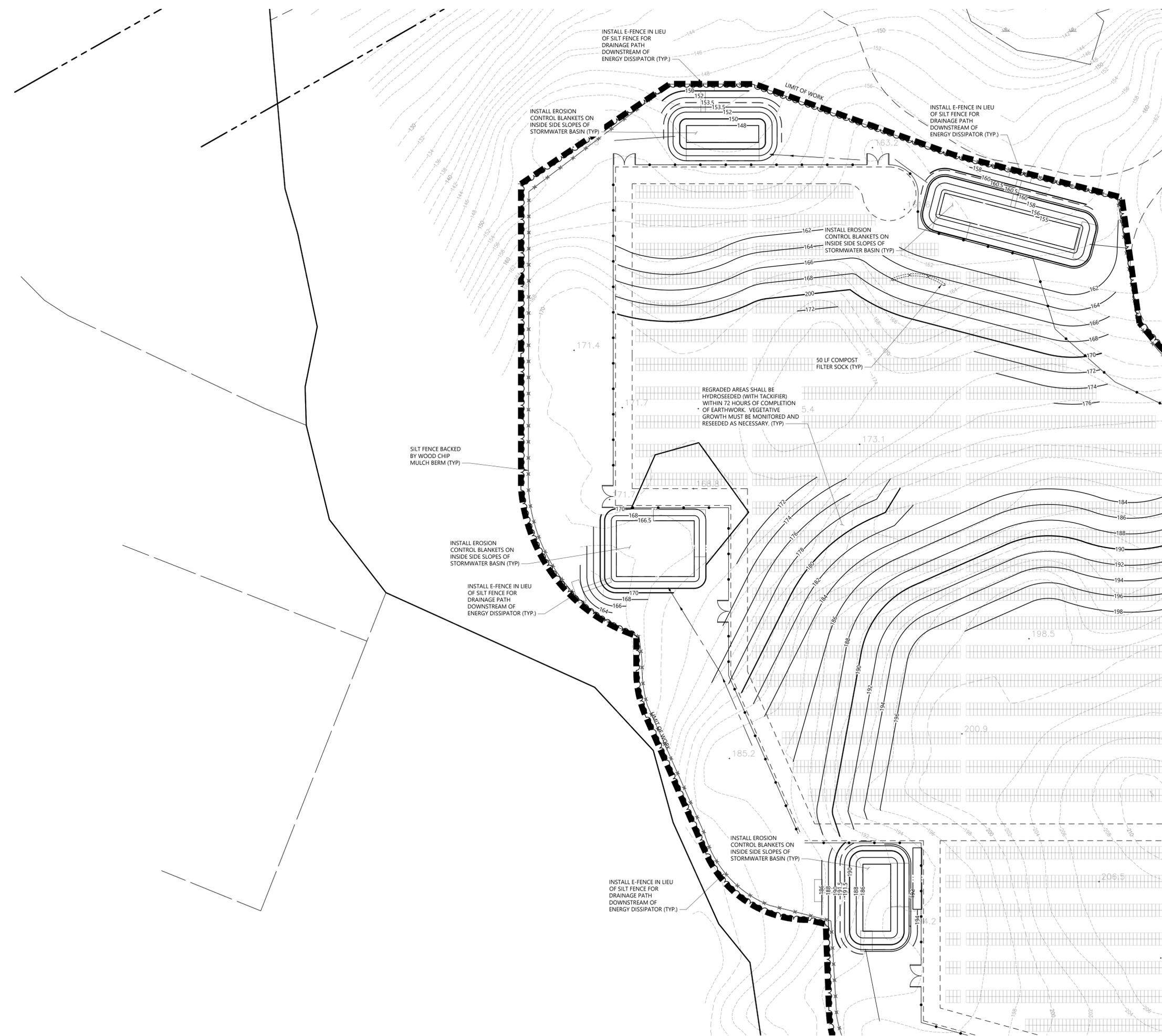
Drawing Number

C-5.6

Sheet **35** of **43**

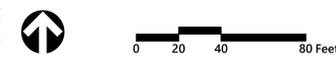
Project Number
42496.00





C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
Erosion and Sediment Control Plan

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Aspd.

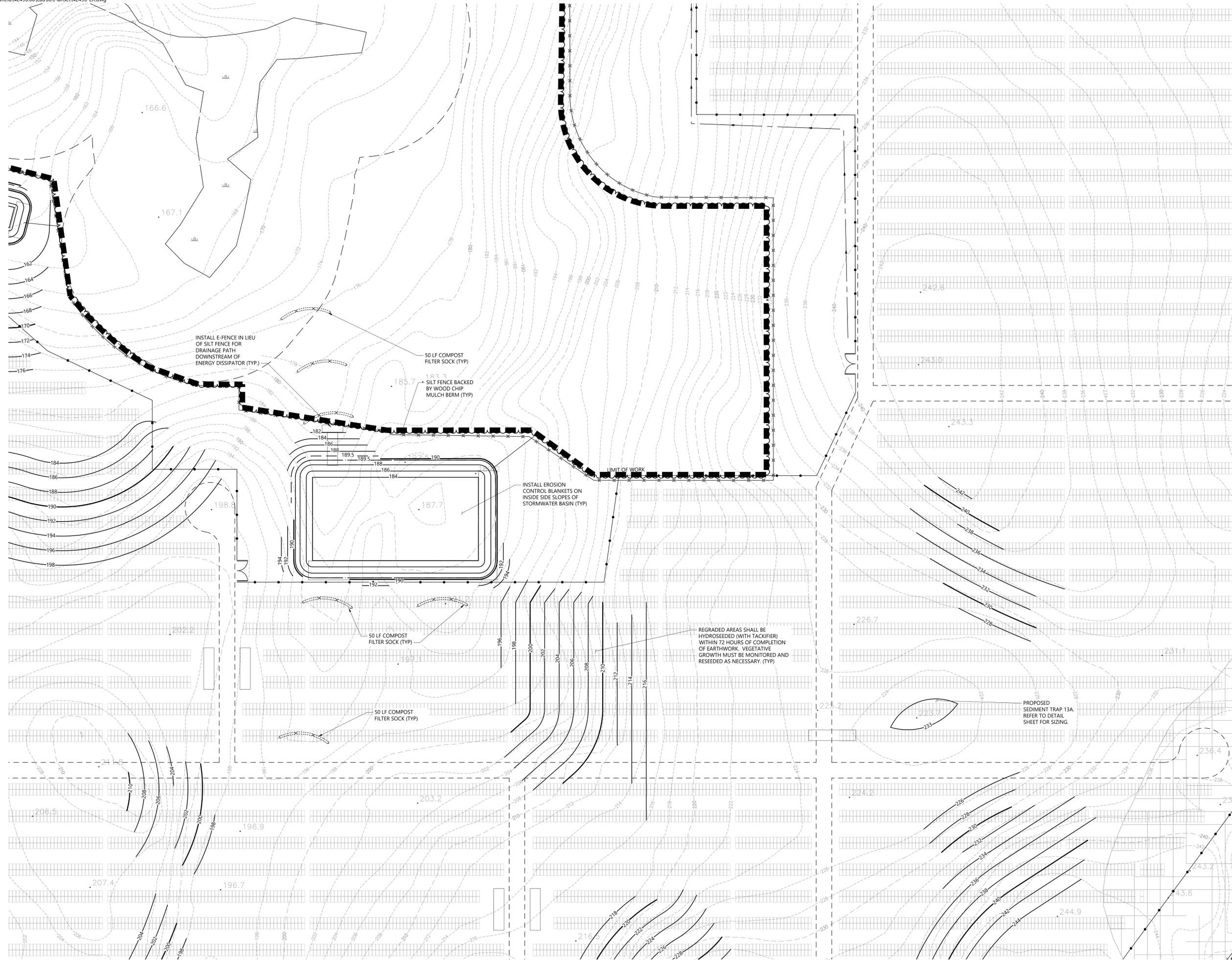
Designed by: _____ Checked by: _____
Issued for: _____ Date: December 2, 2019

Application
Not Approved for Construction
Erosion and Sediment Control Plan

Drawing Number
C-5.8

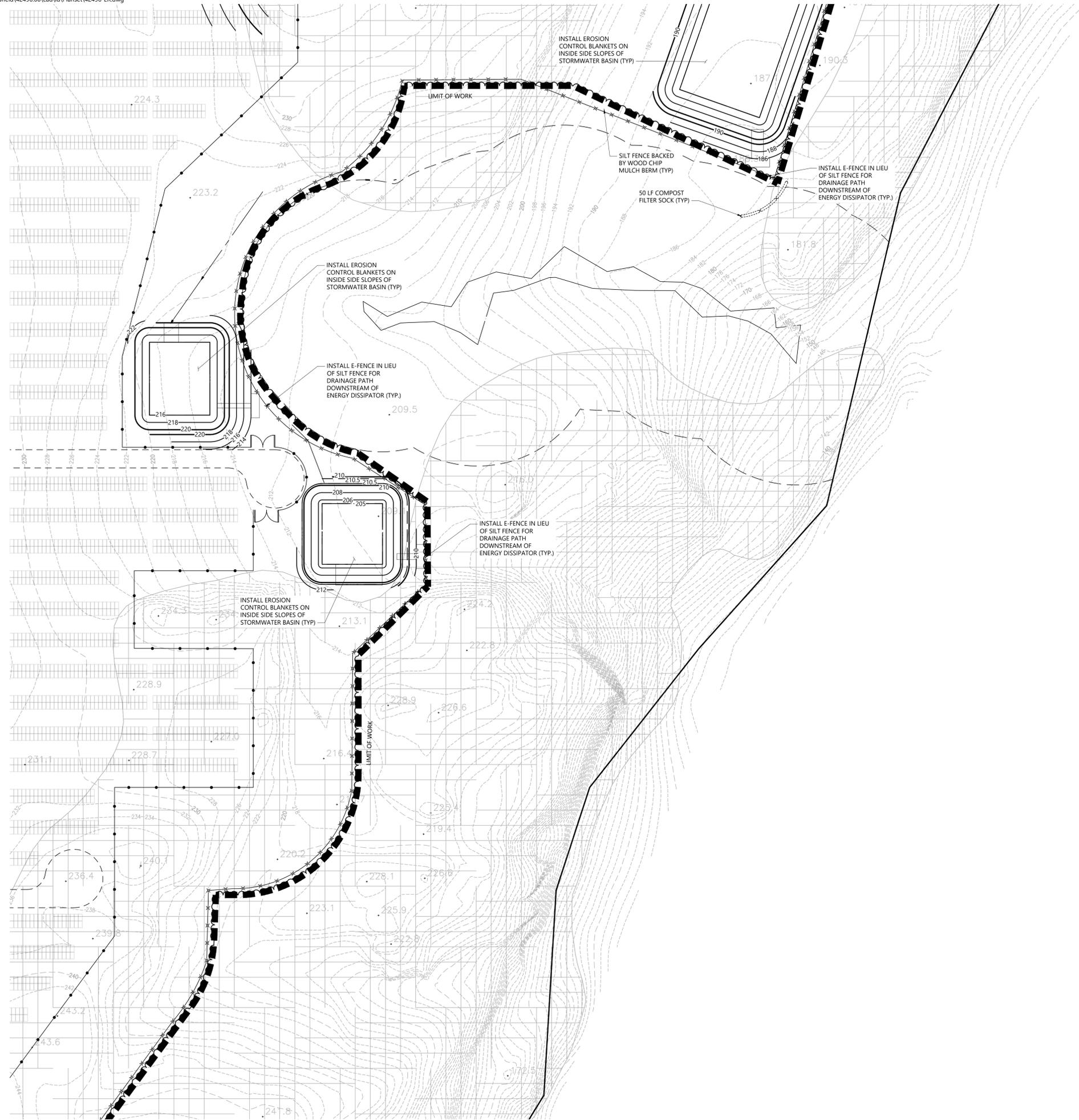
Sheet of
37 43

Project Number
42496.00





100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Drawing Title
Erosion and Sediment Control Plan

Sheet **C-5.9** of 38
Project Number
42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key

Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appvd.

Designed by _____ Checked by _____
Issued for _____ Date _____

Application December 2, 2019

Not Approved for Construction

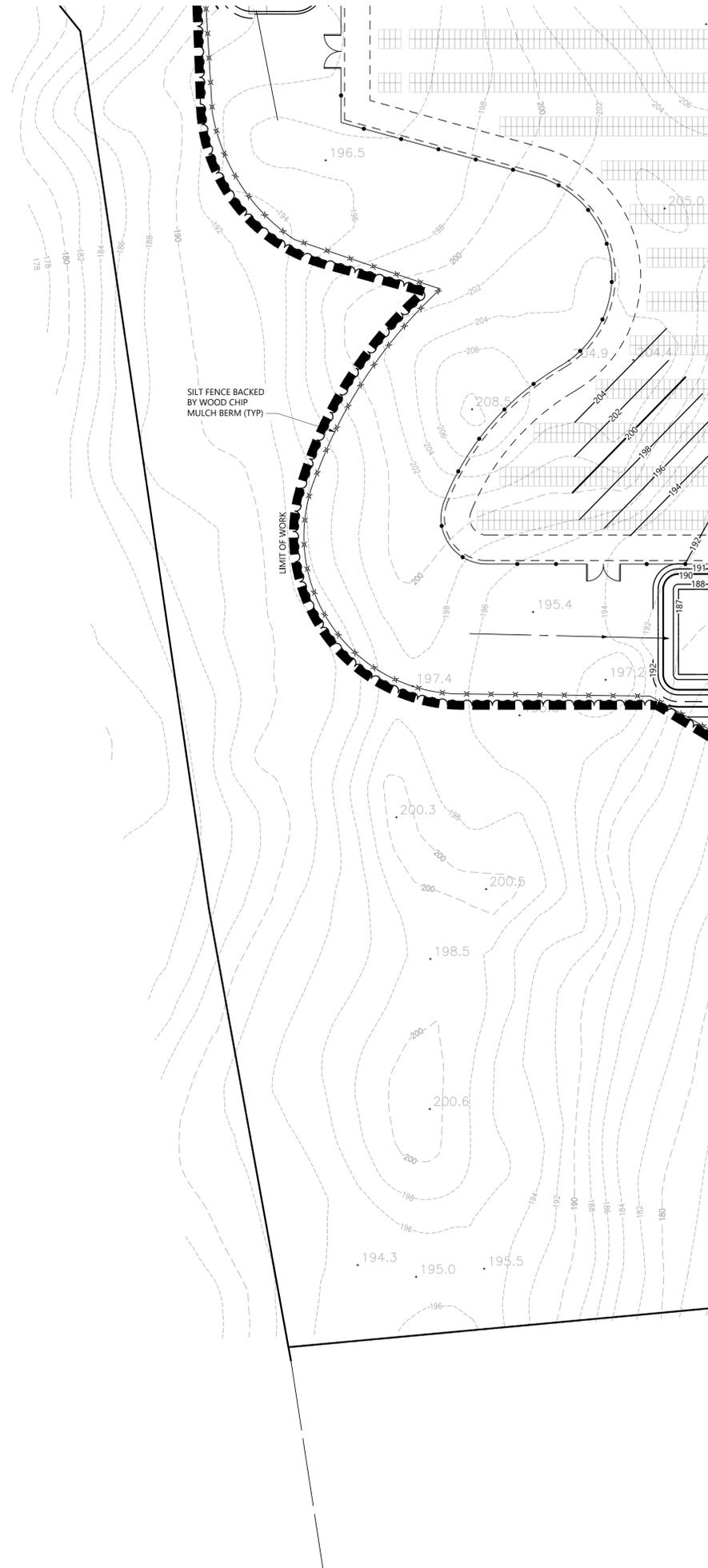
**Erosion and Sediment
Control Plan**

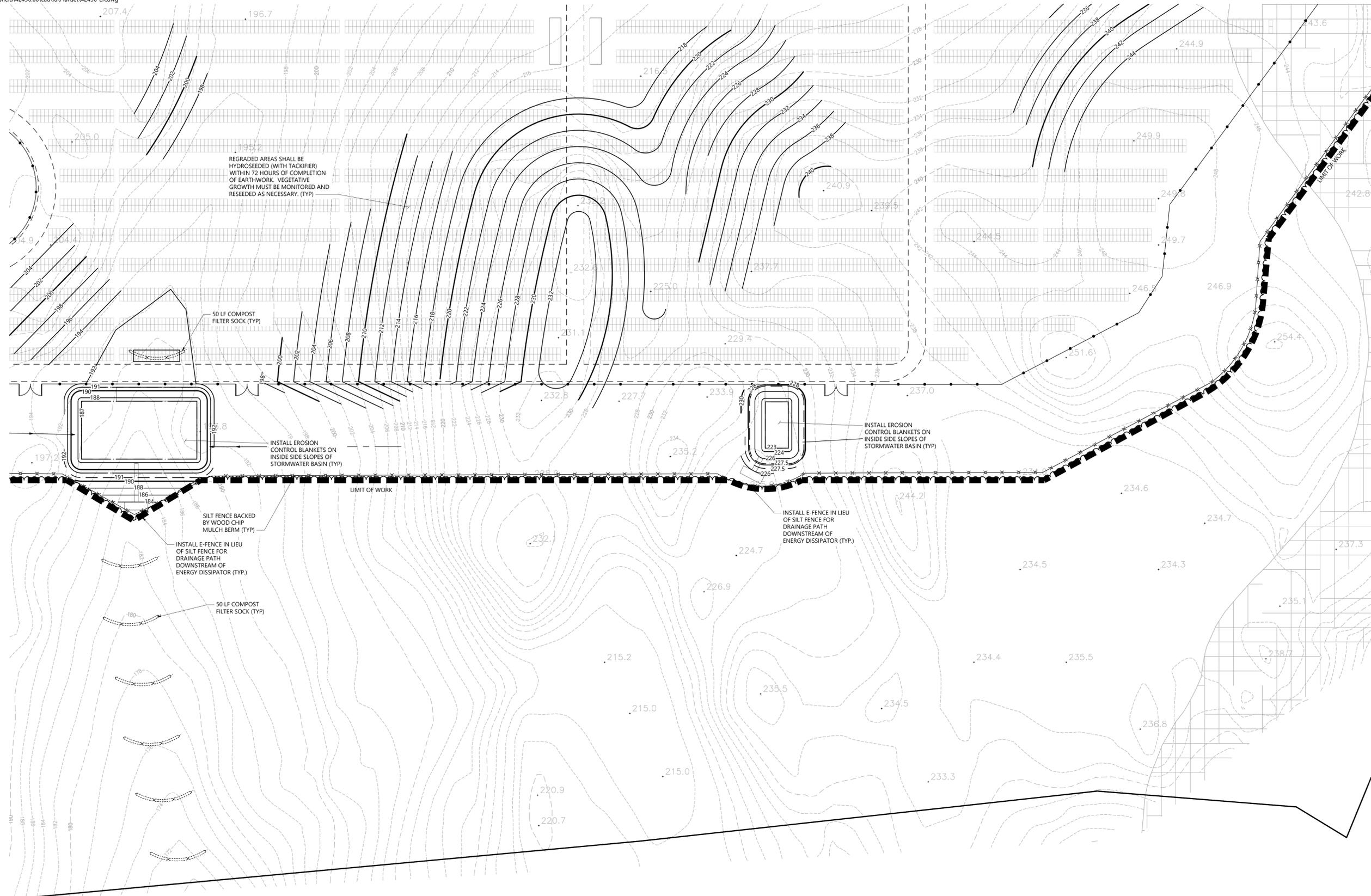
Drawing Number

C-5.10

Sheet **39** of **43**

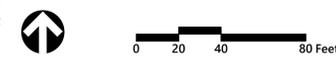
Project Number
42496.00





C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Aspd.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

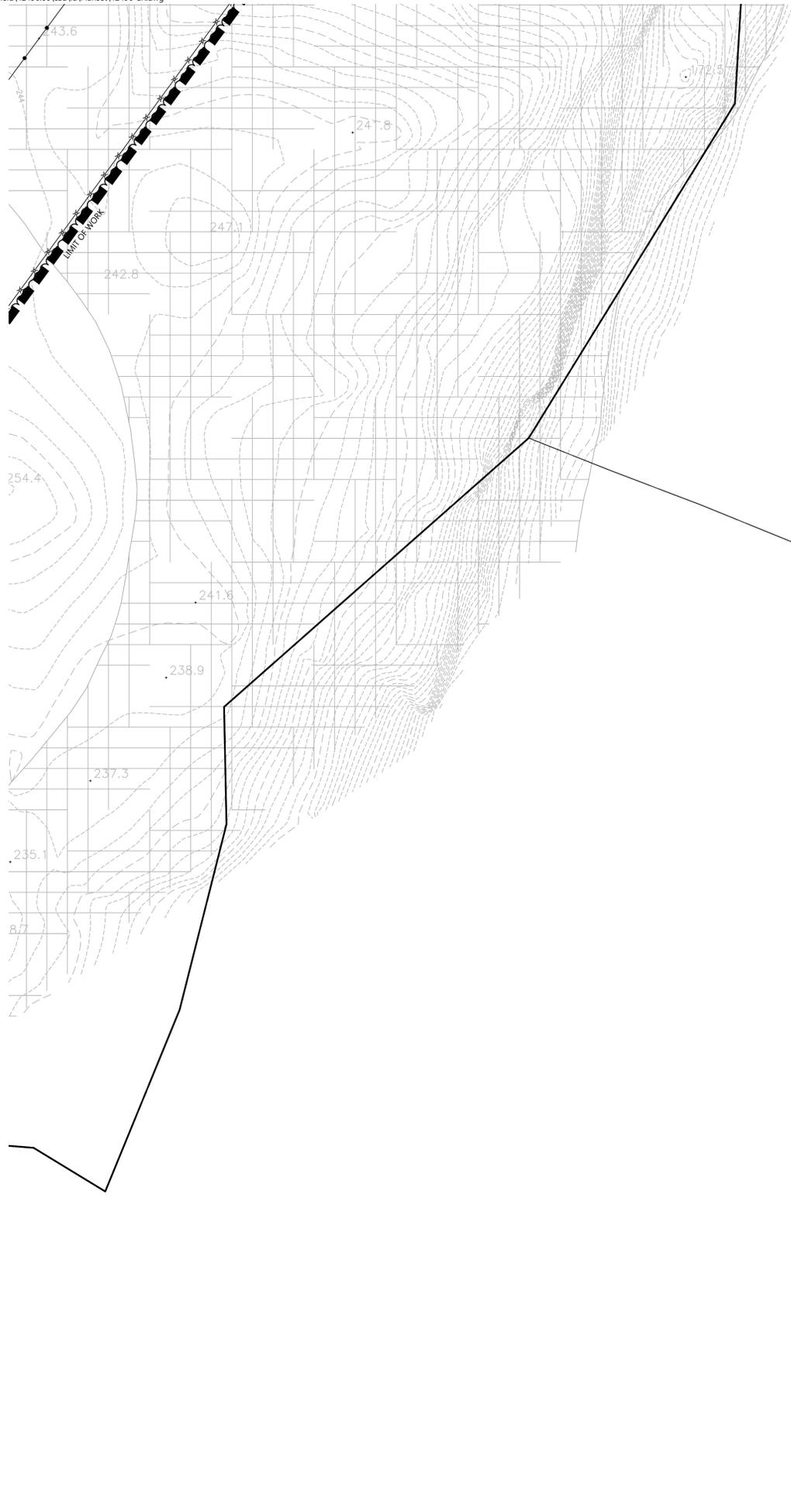
Not Approved for Construction
Drawing Title
Erosion and Sediment Control Plan

Drawing Number

C-5.11

Sheet of
40 43

Project Number
42496.00



100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300

C-5.1	C-5.2	C-5.3
C-5.4	C-5.5	C-5.6
C-5.7	C-5.8	C-5.9
C-5.10	C-5.11	C-5.12

Key
Not To Scale



Photovoltaic Installation
117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Apprd.

Designed by _____ Checked by _____
Issued for _____ Date _____
Application December 2, 2019

Not Approved for Construction
Erosion and Sediment
Control Plan

Drawing Number

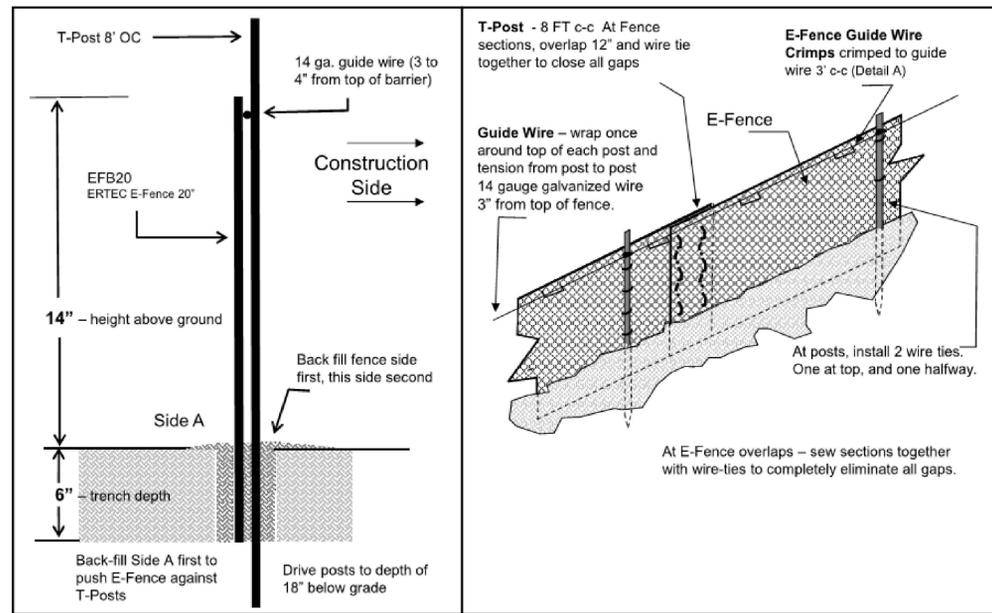
C-5.12

Sheet 41 of 43

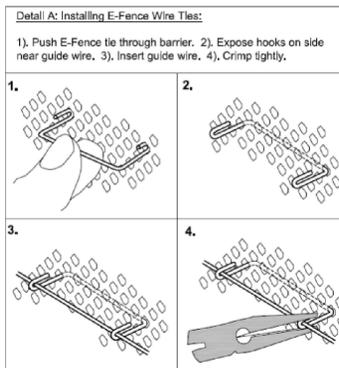
Project Number
42496.00

E-Fence DETAILS – Wildlife Exclusion - WPT

E-Fence™ (Patent #US8402630, other patents pending)



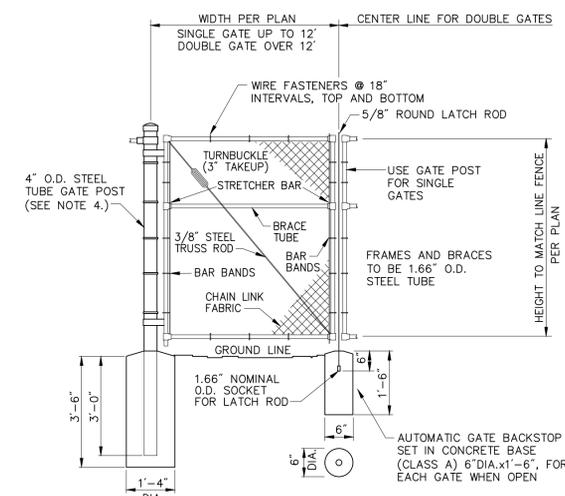
E-Fence DETAILS – Guidewire Crimp



E-Fence™ DETAILS – Wildlife Exclusion

Installation Notes:

- Excavate a trench a minimum of 4" wide and a minimum of 5" deep.
- T-posts shall be a minimum of 0.95 lbs/ft. T-posts shall be driven a minimum 18" deep into the ground 8' centers
- Insert barrier material into trench and attach to post in two places: 1) at 3" below top of fence and at 2) mid-height
- At 3 inches from top of fence (above wire tie), wrap 14 gauge galvanized wire once around each T-post and pull the guide wire from post to post, wrap, secure and pull wire tight between each post.
- At segment overlaps (roll length 100 or 150 LF), overlap segments a minimum of 12". Eliminate all gaps by tying sections together with tie wire in two vertical rows, as shown.
- Push E-Fence Guide Wire Crimps through the E-Fence and crimp the ties to the guide wire on the other side of the fence (two crimps per tie) at 3' intervals, as illustrated in Detail A of the installation guidelines. Crimp to the guide-wire securely.
- E-Fence must be installed in continuous lengths (100 or 150 feet rolls). Do not cut segments into shorter lengths unless necessary due to sudden changes in elevation.
- Backfill trench with trench spoils. Backfill from E-Fence side of posts first so that E-Fence is pushed up against T-posts. Back fill other side to complete backfill.



Notes:

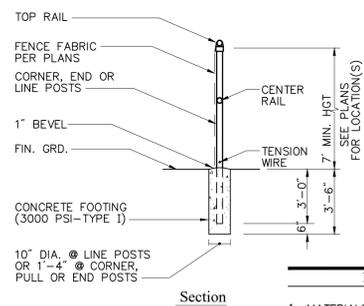
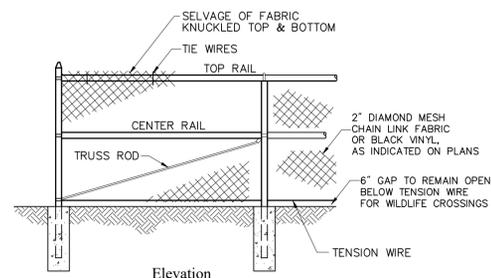
- CHAIN LINK FABRIC FOR GATES TO BE THE SAME AS REQUIRED FOR FENCE.
- GATE POST BASE—PORTLAND CEMENT CONCRETE (3000 PSI).
- FENCE FABRIC, POSTS, FRAMEWORKS, AND HARDWARE SHALL BE GALVANIZED STEEL OR BLACK VINYL (AS INDICATED ON PLANS) PER SPECIFICATIONS.
- GATE POSTS TO BE USED ON EACH SIDE OF SINGLE AND DOUBLE GATE OPENINGS.

Chain Link Fence Gate

N.T.S. Source: VHB 6/08 LD_482

E-Fence Installation Details

N.T.S. Source: Ertec Environmental Systems



- Note:**
- MATERIALS TO BE SUPPLIED AND INSTALLED IN CONFORMANCE WITH "CHAIN LINK MANUFACTURER'S INSTITUTE" PRODUCT MANUAL.



PHOTOVOLTAIC INSTALLATION
 Site Location: 117 Oil Mill Road, Waterford, CT 06385
 Owner: GRE Gacru, LLC
 Attn: Jean-Paul LaMarche
 363 Centennial Parkway, Suite 105
 Louisville, CO 80027
IN CASE OF EMERGENCY CALL 911
WATERFORD POLICE DEPARTMENT - (860) 442-9451

Notes:

- THE SITE FACILITY SIGN IS A DRAFT SHOWING THE MINIMUM AMOUNT OF INFORMATION THAT WILL BE PROVIDED. SIGN WILL BE 18" X 24".
- ALL SIGNS WILL BE MOUNTED ONTO THE CHAIN LINK FENCE.

Danger and Site Facility Signs

N.T.S. Source: VHB 1/16

7' Chain Link Fence

N.T.S. Source: VHB 6/08 LD_480

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No. Revision Date App'd

Designed by Checked by

Issued for Date

Application December 2, 2019

Not Approved for Construction

Site Details

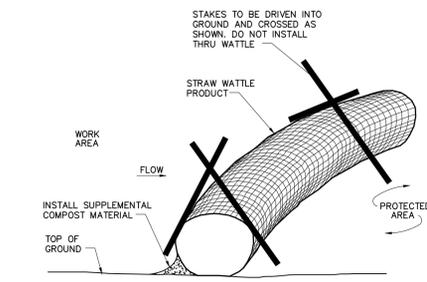
Drawing Number

C-6.1

Sheet of 42 43

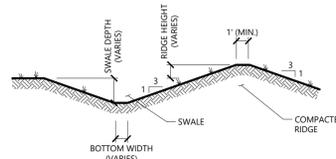


100 Great Meadow Road
Suite 200
Wethersfield, CT 06109
860.807.4300



Straw Wattle Installation

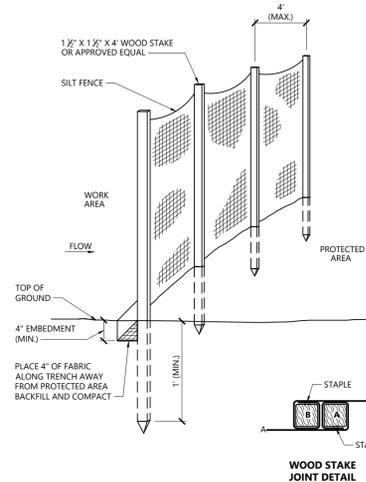
N.T.S. Source: VHB 8/12 LD..658



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. REFER TO "DIVERSION SWALE SIZING" TABLE FOR SELECTION OF LINING MATERIAL TO BE INSTALLED OVER ENTIRE SWALE AREA.
3. REFER TO "DIVERSION SWALE SIZING" TABLE FOR VARIABLE SIZING.
4. THE INTENT IS TO USE THE MATERIAL EXCAVATED FROM THE SWALE TO CONSTRUCT THE RIDGE.

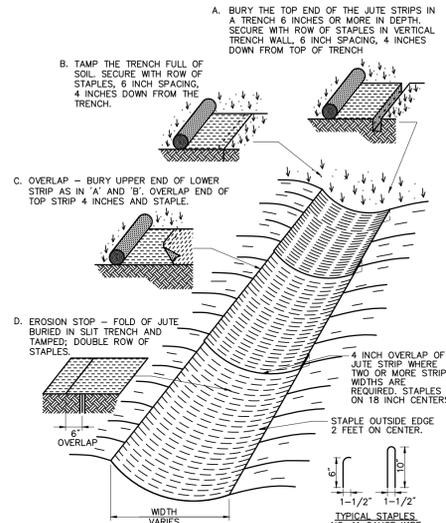
Diversion Swale

N.T.S. Source: VHB



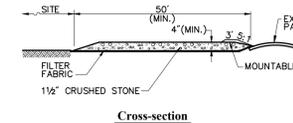
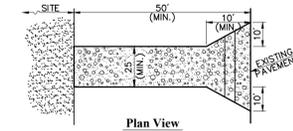
Silt Fence Barrier

N.T.S. Source: VHB 1/16 LD.650



Erosion Control Blanket Swale Installation

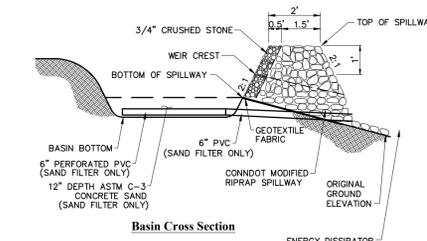
N.T.S. Source: VHB 6/08 LD..681



- Notes:
1. ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit

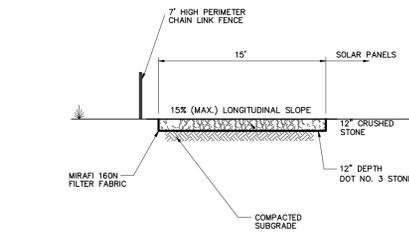
N.T.S. Source: VHB 6/08 LD..682



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. TOP OF EMBANKMENT SHALL BE 2' (MIN.) WIDTH AND 1' (MIN.) ABOVE TOP OF SPILLWAY.
3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY AND REPLACED WITH E-FENCE.
6. PERFORATED PVC AND CONCRETE SAND FOR SAND FILTERS SHALL BE INSTALLED ONLY UPON FULL STABILIZATION OF UPSTREAM AREAS. 6\"/>

Permanent Stormwater Basin

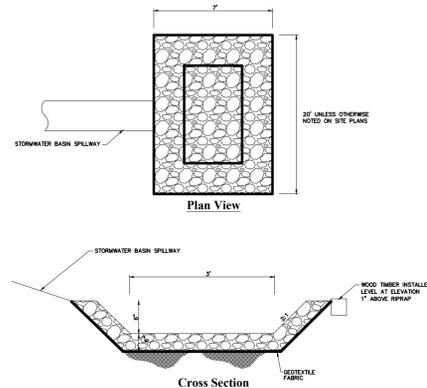
N.T.S. Source: VHB



- Notes:
1. CRUSHED STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION.
2. ON-SITE ROCK MATERIAL SHALL BE CRUSHED AND USED IN THE CONSTRUCTION OF ACCESS ROAD TO THE MAXIMUM EXTENTS FEASIBLE.

Perimeter Access Cross Section

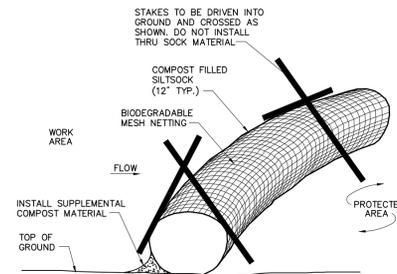
N.T.S. Source: VHB



- NOTE:
1. SHALL BE INSTALLED AT THE OUTLET FROM EACH STORMWATER BASIN SPILLWAY.

Energy Dissipator

N.T.S. Source: VHB



- Notes:
1. SILT SOCK SHALL BE 12\"/>

Compost Filter Sock (CFS)

N.T.S. Source: VHB 8/12 LD..658

Photovoltaic Installation

117 Oil Mill Road
Waterford, Connecticut

No.	Revision	Date	Appr.

Designed by _____ Checked by _____

Issued for _____ Date _____

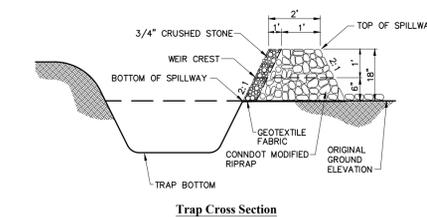
Application December 2, 2019

Not Approved for Construction

Site Details

Drawing Number _____

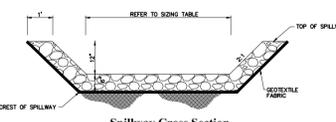
PERMANENT STORMWATER BASIN SIZING									
NUMBER	BASIN TYPE	LENGTH AT BASIN BOTTOM (TDE OF SLOPE), FT	WIDTH AT BASIN BOTTOM (TDE OF SLOPE), FT	SIDE SLOPES	BOTTOM ELEVATION, FT	ELEVATION OF BOTTOM/CREST OF SPILLWAY, FT	SPILLWAY WIDTH AT BASE, FT	MINIMUM TOP OF BERM ELEVATION, FT	MINIMUM TOP OF SPILLWAY, FT
1	POND	25	95	3:1	190.0	193.0	2	195.0	195.0
2	INFILTRATION	15	100	3:1	227.5	231.0	4	232.5	232.5
3	SAND FILTER	40	80	3:1	224.0	226.5	2	228.5	228.5
4	POND	75	120	3:1	184.0	188.0	8	190.0	190.0
5	INFILTRATION	60	90	3:1	216.0	219.0	2	220.0	220.0
6	POND	50	50	3:1	205.0	209.0	3	210.5	210.5
7	INFILTRATION	20	40	3:1	223.0	226.0	2	227.5	227.5
8	SAND FILTER	50	100	3:1	186.0	188.5	1.5	191.0	191.0
9	POND	25	60	3:1	186.0	190.0	2	191.5	191.5
10	SAND FILTER	50	70	3:1	165.5	168.5	2	170.0	170.0
11	POND	15	65	3:1	148.0	152.0	2	153.5	153.5
12	POND	20	125	3:1	150.0	155.0	2	160.5	160.5
13	INFILTRATION	80	170	3:1	184.0	188.0	8	189.5	189.5
14	INFILTRATION	25	65	3:1	186.5	190.0	2	192.0	192.0
16	POND	35	250	3:1	189.0	195.5	10	197.0	197.0



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 3:1
2. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
3. TRAP SHALL BE DRAINED AND CLEANED OF SEDIMENT ONCE SEDIMENT IS > 1\"/>

Temporary Sediment Trap (TST)

N.T.S. Source: VHB



- NOTE:
1. ALL SIDE SLOPES SHALL NOT EXCEED 2:1
2. TOP OF EMBANKMENT SHALL BE 2' (MIN.) WIDTH AND 1' (MIN.) ABOVE TOP OF SPILLWAY.
3. SIDE SLOPES OF EMBANKMENT SHALL BE STABILIZED BY TEMPORARY SEEDING OR EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER.
4. REFER TO "PERMANENT STORMWATER BASIN SIZING" TABLE FOR VARIABLE SIZING.
5. PERIMETER SILT FENCE SHALL BE REMOVED IMMEDIATELY DOWNSTREAM FROM SPILLWAY.

Stormwater Basin Spillway

N.T.S. Source: VHB

Sizing Tables for Temporary & Permanent Stormwater Features

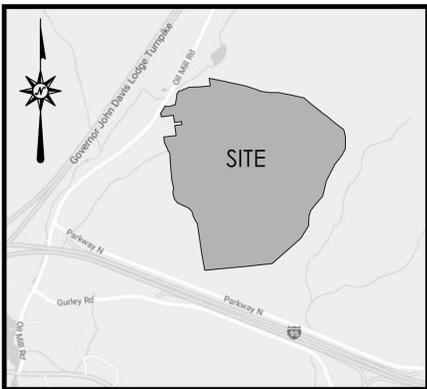
N.T.S. Source: VHB

C-6.2

Sheet _____ of _____

43 43

Project Number
42496.00



LEGEND

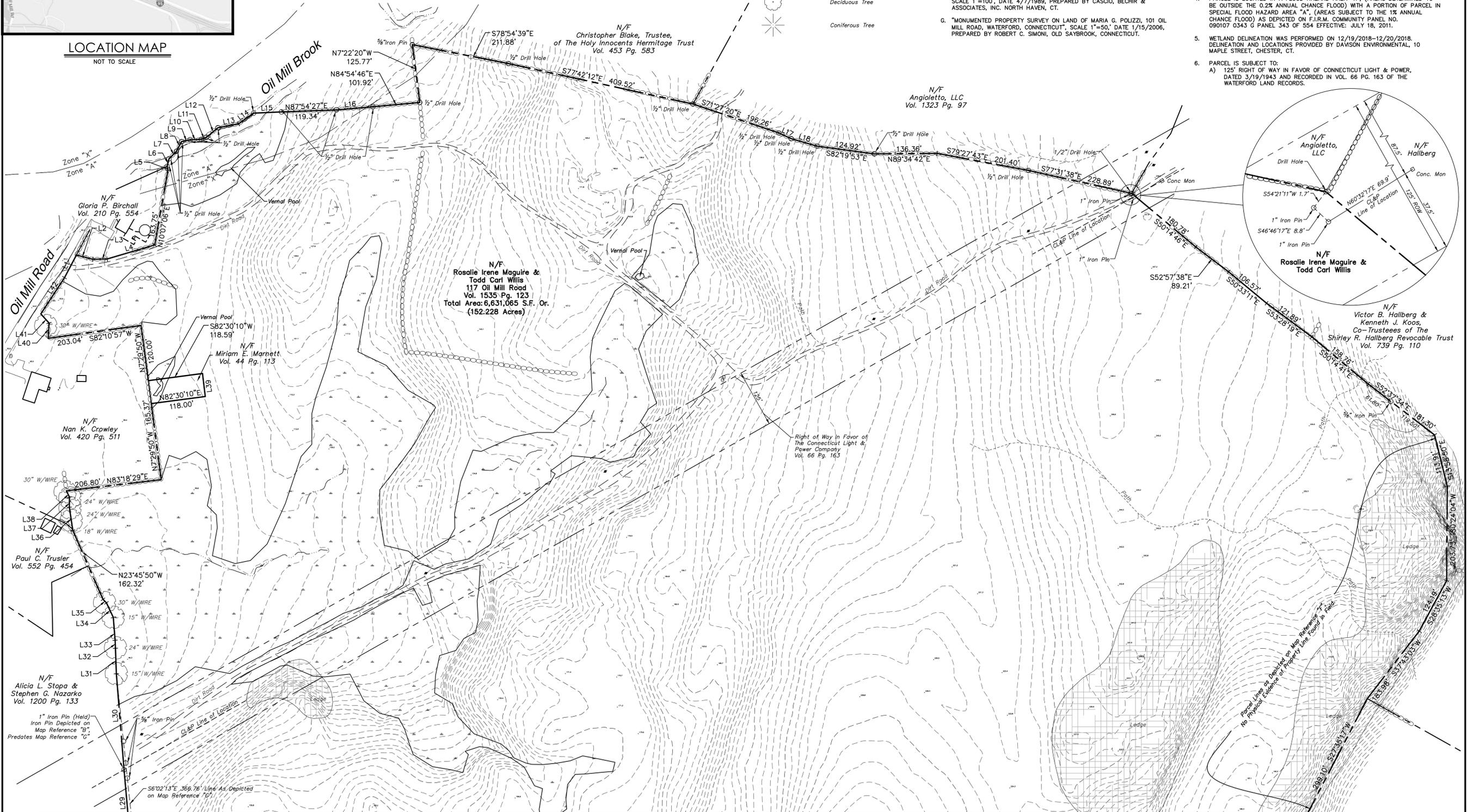
- Property Line
- Easement Line
- FEMA FIRM Zone Line
- Limit of Wetlands
- Stone Wall
- Fence
- Edge of Water
- Treeline
- Major Contour
- Minor Contour
- Transmission Utility Pole
- Deciduous Tree
- Coniferous Tree

MAP REFERENCES

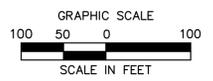
- A. "PLAN OF BARRETT HEIGHTS PARK, WATERFORD, NEW LONDON COUNTY, CONNECTICUT", SCALE 1"=100', DATE 10/1926, PREPARED BY K.H. HOLMES, NEW LONDON, CT.
- B. "LOCATION OF RIGHT OF WAY OF THE CONNECTICUT LIGHT & POWER COMPANY ACROSS THE PROPERTY OF SARAH S. HOLBROOK, TOWN OF WATERFORD COUNTY OF NEW LONDON, STATE OF CONNECTICUT", SCALE 1"=200', DATE 2/1943, SHEETS 1 & 2, MONTVILLE-FLANDERS LINE.
- C. "SURVEY OF PROPERTY ON OIL MILL ROAD, TOWN OF WALLINGFORD, CONN. BELONGING TO ESTATE OF ROBERT A. BRUBECK", DATE 9/1949, SCALE 1"=100', PREPARED BY ERNEST L. DESHEFY, NEW LONDON, CT.
- D. "PLAN OF SALTER PROPERTY, OIL MILL ROAD, WATERFORD, CONN", SCALE 1"=40', DATE 5/1956, PREPARED BY KENNETH H. HOLMES.
- E. "PLAT OF LANDS OF ANNIE G. KRAVCHUCK, GLEAD & OIL MILL ROADS, WATERFORD CONN.", SCALE 1"=100', DATE 5/1981, PREPARED BY ROBERT L. BUCHER, NEW LONDON, CT.
- F. "PROPERTY MAP PARCELS ABUTTING CLAM LANE AND FARGO ROAD, WATERFORD, CONNECTICUT, FOR: BERNHARD ASSOCIATES, NO. HAVEN, CT.", SCALE 1"=100', DATE 4/7/1989, PREPARED BY CASCIO, BECHR & ASSOCIATES, INC. NORTH HAVEN, CT.
- G. "MONUMENTED PROPERTY SURVEY ON LAND OF MARIA G. POLIZZI, 101 OIL MILL ROAD, WATERFORD, CONNECTICUT", SCALE 1"=50', DATE 1/15/2006, PREPARED BY ROBERT C. SIMONI, OLD SAYBROOK, CONNECTICUT.

GENERAL NOTES

1. A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
- B) THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHICAL ACCURACY 1-3.
- C) BOUNDARY DETERMINATION IS BASED UPON A FIRST SURVEY.
- D) THE TYPE OF SURVEY PERFORMED IS A PROPERTY/TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.
2. NORTH ARROW AND BEARINGS REFER TO NAD 83 AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES ON 2/15/2018.
3. ELEVATIONS REFER TO NAVD 88 AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES ON 2/15/2018.
4. PARCEL IS LOCATED IN A FLOOD HAZARD AREA "X", (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD) WITH A PORTION OF PARCEL IN SPECIAL FLOOD HAZARD AREA "A", (AREAS SUBJECT TO THE 1% ANNUAL CHANCE FLOOD) AS DEPICTED ON F.I.R.M. COMMUNITY PANEL NO. 090107 0343 G PANEL 343 OF 554 EFFECTIVE: JULY 18, 2011.
5. WETLAND DELINEATION WAS PERFORMED ON 12/19/2018-12/20/2018. DELINEATION AND LOCATIONS PROVIDED BY DAWSON ENVIRONMENTAL, 10 MAPLE STREET, CHESTER, CT.
6. PARCEL IS SUBJECT TO:
 - A) 125' RIGHT OF WAY IN FAVOR OF CONNECTICUT LIGHT & POWER, DATED 3/19/1943 AND RECORDED IN VOL. 66 PG. 163 OF THE WATERFORD LAND RECORDS.



MATCHLINE ~ SEE SHEET 2 OF 2



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

ROBERT H. ROPER L.S. #18469

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR.



355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

ROSALIE IRENE MAGUIRE & TODD CARL WILLIS
117 OIL MILL ROAD
WATERFORD, CONNECTICUT

REVISIONS	
No.	Date

Surveyed AV/SB
Drawn AV
Reviewed RHR
Scale 1"=100'
Project No. 17D3515
Date 2/22/2018
Field Book 519
CAD File: BS17D351501
Title PROPERTY SURVEY
Sheet No. 1 OF 2

BS-1

Jun 12, 2018 11:30am cadswater G:\JOB\17A\17D3515\DWG\17D351501.dwg
Layout: 17D3515_1.dwg

© 2018 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

